













2, 1136  
(held for  
index)

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
Viale delle Terme di Caracalla, Rome, Italy

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## CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

prepared by  
Biology Branch, Fisheries Division

Marine Biological Laboratory  
LIBRARY  
APR 24 1959  
WOODS HOLE, MASS.

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Curr. Bibliogr. aquat. Sci. Fish., 2(1)

Rome, January 1959

containing: Suppl. 2(1), taxonomic index 1(8), geographic index 1(10),  
references and author index to, 59-0001- 59-0564

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[2.1(2)]

### ANNOUNCEMENT OF CHANGE OF TITLE

As from the January 1959 issue, (vol. 2, part 1) the monthly periodical "Current Bibliography for Fisheries Science" published by the Biology Branch, Fisheries Division FAO, will be titled "Current Bibliography for Aquatic Sciences and Fisheries". This does not reflect a change in the contents, references for inclusion in the bibliography being selected by the same criteria as before [see Explanatory Notes in vol. 1, Part 1], but we hope the revised title defines those contents rather better.

Whilst, since it works to encourage fisheries research generally, FAO has an interest in limnology and marine sciences, nevertheless the international aspects of these sciences are more the concern of other agencies particularly UNESCO, WMO and the various associations affiliated with ICSU. Fisheries scientists are, however, deeply interested in developments in these related fields, and the libraries of fisheries research institutions usually try to maintain good collections of the relevant documents. For similar reasons we have from the beginning, as explained in our first issue, included references to papers dealing, for example, with biological and physical properties of the aquatic environment. Indeed, all bibliographies for fisheries, oceanography and limnology overlap to a great extent, and to reduce the total work involved in preparing such bibliographies, we are arranging to collaborate in various ways with interested institutes, organizations and individual workers. We believe that as a result our Current Bibliography contains a rather high proportion of the total references in the fields of study marginal to fisheries, and therefore may be useful to oceanographers, limnologists, marine biologists and others who regard themselves as "marine scientists" or "freshwater scientists". The word "for" rather than "of" in the title is however intended to indicate that we do not attempt to cover their interests completely.



Errata

Please substitute



Thailand. Ministry of 582053  
 Agriculture (1957)  
 Bangkok, 82 p.  
 Economic survey of Pla-Tu salting  
 industry 1956. Th

Incl. some statistics for landings,  
 quantities & values, of Rastrolliger  
 spp. in Thailand.

Please cancel 584303

583743 to be added M  
 585307 " " " (1958)

SJH:sjh

M

583238	<u>Macrohoctus</u>	should read	<u>Macrohoctopus</u>
583246	cyclops	" "	Cyclops
583299	<u>Morus</u>	" "	<u>Morus</u>
583310	<u>Palliolum</u>	" "	<u>Palliolum</u>
"	Timoclea	" "	<u>Timoclea</u>
582883	:1-4	" "	:178-81
583403	scorpaenidae	" "	Scorpaenidae
583417	United States	" "	United Nations
583449	lanorbidae	" "	Planorbidae
583490	planorbid	" "	planorbid
583653	Cladophorales	" "	Cladophorales
583689	dest	" "	test
583786	mysidae	" "	Mysidae
583803	chironomidae	" "	Chironomidae
583997	F	" "	MF
584144	amphipoda	" "	Amphipoda
584144	arenarius	" "	<u>arenarius</u>
585062	M	" "	MF
585271	U.Kingdom	" "	U.Kingdom
585401	Mocambique	" "	Mozambique
585478	overflow	" "	overflow
585769	rod tuna	" "	bluofin
585814	NO5	" "	NO3
585866	Banyulus	" "	Banyuls
585880	velleloides	" "	<u>vellolooides</u>





Addenda

Saint-Guily, B. (1957) 581282  
Bull.Inst.océanogr.Monaco, (1108):10 p.  
Les méandres des veines de courant  
dans les océans (Current meandors  
in the oceans)

Mathomatical treatment of the  
elementary theory & assessment of  
variable speed & depth.

FAO:glk

M





## CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

During 1958 limited trial distribution has been given to a monthly document titled "Current Bibliography for Fisheries Science". It has become clear that the demand from librarians and scientists for such a regular publication is great. We therefore propose to give it now a considerably expanded distribution, under the above modified title, which indicates more clearly the scope of the Bibliography. The mimeographed format will for the present be retained since we regard speed of preparation as a first essential, but the series of improvements begun last year will be continued, and, as we get into our stride, we hope the publication will be of increasing value to its readers.

As the circulation increases, however, the costs to FAO of materials and of distribution are no longer negligible. So that we may plan more effectively the future of this publication, would you please be kind enough to complete the slip below and mail it as soon as possible, preferably by return of post, to:

Mr. S.J. Holt  
Chief, Research Programs Section  
Fisheries Biology Branch  
FAO  
Viale delle Terme di Caracalla  
Rome, Italy.

- 
- (1) I wish/do not wish to receive regularly the "Current Bibliography for Aquatic Sciences and Fisheries.
  - (2) Please send me the Bibliography run off on one side/both sides of the paper
  - (3) I would/would not be interested in provision (at cost) of specially printed cover boards for (a) the Bibliography itself, if supplied printed on both sides of the paper, (b) the Indexes.
  - (4) I probably would/would not be prepared to pay a subscription if this were necessitated by an increase of costs to FAO arising from increase in circulation, or improvements in format. I understand that my reply to this question will not be binding.

NAME AND TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

(if changed,  
or if not  
previously  
notified) \_\_\_\_\_

CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

(BIBLIOGRAPHIE COURANTE DES SCIENCES AQUATIQUES ET DE LA PECHE)

Pendant l'année 1958 nous avons essayé une distribution limitée d'une publication mensuelle intitulée: "CURRENT BIBLIOGRAPHY FOR FISHERIES SCIENCE" (BIBLIOGRAPHIE COURANTE DE LA SCIENCE DE LA PECHE). La demande des bibliothécaires et des experts pour cette publication périodique a été assez grande. Par conséquent nous nous proposons d'en élargir considérablement la distribution après en avoir modifié le titre, qui nous semble ainsi indiquer plus clairement le but de la bibliographie. Pour le moment nous maintiendrons le format ronéo, ce qui nous permet une préparation plus rapide, mais la série d'améliorations, commencée l'année passée, sera continuée et nous espérons que notre publication, une fois lancée, deviendra de plus en plus utile aux lecteurs.

Toutefois la diffusion majeure comporte une augmentation sensible des frais, que la FAO ne peut plus négliger et dont elle devra tenir compte. En conséquence nous vous serions reconnaissants de bien vouloir remplir la fiche ci-dessous et de l'expédier, si possible par retour du courrier, à l'adresse suivante:

Mr. S.J. Holt  
Chief, Research Programs Section  
Fisheries Biology Branch  
FAO  
Viale delle Terme di Caracalla  
Rome, Italy

- 
- (1) Je désire/je ne désire pas recevoir régulièrement la "CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES".
  - (2) Prière de me faire parvenir la Bibliographie imprimée sur un seul/sur les deux côtés de la feuille.
  - (3) Je désire/je ne désire pas recevoir (contre remboursement) la reliure spéciale a) pour la Bibliographie elle-même, si elle n'est pas fournie imprimée des deux côtés, b) pour les tables de matières.
  - (4) J'accepterais/je n'accepterais pas de souscrire à la Bibliographie en cas de nécessité provenant du fait de l'augmentation et de l'amélioration de la présentation. Il est entendu que ma réponse ne m'engage pas.

NOM ET TITRE

ADRESSE

(en cas de  
changement ou  
si elle n'est  
pas encore  
communiquée)



CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES  
(BIBLIOGRAFIA PERIODICA DE CIENCIAS ACUATICAS Y PESQUERIAS)

Durante 1958 hemos venido distribuyendo, en forma limitada y a título de ensayo, una publicación titulada "Current Bibliography for Fisheries Science" (Bibliografía Periódica de Ciencias Pesqueras). Habiéndose producido una gran demanda de dicha publicación de parte de bibliotecarios y científicos, nos proponemos darle una distribución más amplia, ahora bajo el título modificado que encabeza estas líneas y que define con mayor claridad sus finalidades. Su formato e impresión en mimeógrafo seguirán siendo los mismos, en atención a la rapidez de preparación que consideramos esencial, y las diferentes mejoras introducidas durante el año último continuarán, siendo de esperar que, a medida que avancemos, la publicación tendrá mayor interés para sus lectores.

Como la circulación sigue creciendo, los costos materiales y de distribución, asumidos por la FAO, han comenzado a ser de importancia. Por ello debemos proyectar con mayor detalle el futuro de nuestra publicación y, por lo tanto, le solicitamos complete el boletín impreso al pie de esta página y lo envíe lo antes posible, con preferencia a vuelta de correo, a la siguiente dirección:

Sr. D. S.J. Holt  
Jefe de la Sección de Programas de Investigación,  
Departamento de Biología de la Pesca,  
FAO,  
Viale delle Terme di Caracalla  
Roma, Italia

- 
- (1) Deseo/no deseo, recibir con regularidad la "Current Bibliography for Aquatic Sciences and Fisheries" (Bibliografía Periódica de Ciencias Acuáticas y Pesqueras).
  - (2) Les ruego me envíen la Bibliografía impresa por una sola cara del papel/ambas caras.
  - (3) Me interesa/no me interesa me faciliten (al costo) cubiertas especialmente impresas para (a) la Bibliografía, en caso de serme enviada impresa sobre ambas caras del papel, (b) los índices.
  - (4) Probablemente podré/no podré, pagar una suscripción, si al caso llegara, como consecuencia del aumento de costos para la FAO, ya sea éste resultado del aumento de la circulación o del mejoramiento del formato. Se entiende que mi respuesta no significa la adquisición de ningún compromiso.

Nombre y título \_\_\_\_\_

Dirección \_\_\_\_\_

(si ha cambiado  
o no se comunicó  
con anterioridad) \_\_\_\_\_





## Explanatory notes

We are taking the opportunity not only of recording publications giving results of studies of marine or freshwater fisheries resources, but also of drawing attention of fisheries workers to methodological papers which may be of interest to them but which they are unlikely otherwise to have the occasion to see. Such references will be designated by the letter G in the bottom right-hand corner, though this symbol may, of course, be combined with M or F (but not with both) where a technique is described and applied to either a freshwater or a marine situation, but which has a possible application to the other.

You will notice that as from this issue the first two digits of the serial number in the top right-hand corner of each card are separated from the last four by a hyphen. This is part of a simplification in the indexing system. Each monthly and annual index will now refer only to the last four digits of each serial number.

Where three or more consecutive items are indexed under the same heading, only the last four digits of the first and last serial numbers in the series will be given. Thus, in an hypothetical case, if the four papers 59-6848, 59-6849, 59-6850, 59-6851 all referred to the North-east Atlantic, they would be indexed thus:

"ANE Atlantic, N.E. 6848 to 6851"

Cross-references to papers published during years for which the Bibliographia Oceanographica is available, and annotated therein, will henceforth be quoted as in the example 59-0555 of this issue. The paper by W. Krauss mentioned there, published in 1955, is entry number 899 in volume 28 of the Bibliographia Oceanographica.

## Notes explicatives

Nous saisissons l'opportunité pour relever non seulement les publications traitant des recherches concernant la pêche maritime et fluviale, mais encore certaines études méthodologiques susceptibles d'intéresser les experts en matière de pêche et dont autrement ils auraient peu de probabilité de connaître l'existence. Ces références particulières seront désignées par la lettre G placée à droite dans l'angle inférieur de chaque fiche. Ce symbole pourra toutefois être associé avec l'une ou l'autre des lettres suivantes: M ou F, (jamais avec toutes les deux) quand la méthode technique en question se réfère soit à la pêche maritime, soit à la pêche fluviale. (Ce qui n'exclut pas la possibilité d'une application de l'une à l'autre.

Veillez prendre note qu'à partir de ce fascicule les deux premiers chiffres du numéro de série placé à droite dans l'angle supérieur de chaque fiche sont divisés des quatre derniers par un trait d'union. Ceci fait part d'une simplification du système d'enregistrement. Chaque table de matières mensuelle ou annuelle se réfèrera seulement aux quatre derniers chiffres de chaque numéro de série.

Lorsque trois ou plus de trois articles sont enregistrés sous la même entrée seuls les quatre derniers chiffres du premier et du dernier numéro de la série seront donnés. Ainsi, dans le cas hypothétique, où les quatre documents No 59-6848, 59-6849, 59-6850, 59-6851 se rapporteraient à l'Atlantique du Nord-est, ils seraient indiqués de la façon suivante:

"ANE Atlantic, N.E. 6848 to 6851"

Les doubles renvois aux publications parues pendant les années que traitent les différents volumes de la B.O. et qui y sont annotés, seront dorénavant cités, comme dans l'exemple 59-0555 de ce numéro. L'article de W. Kraus y mentionné, publié en 1955, est le numéro d'entrée 899 dans le volume 28 de la B.O.



## Notas explicativas

Normalmente no sólo damos cuenta de las publicaciones que informan de los resultados de estudios sobre los recursos pesqueros marinos o de aguas interiores, pero igualmente llamamos la atención de los investigadores pesqueros sobre aquellos estudios metodológicos que pueden interesarlos y que difícilmente tendrán ocasión de conocer por otro conducto. Tales referencias se designarán con la letra G en el ángulo inferior derecho y podrá ir acompañada de M o F (una de ellas, no ambas) en los casos en que la técnica descrita y aplicada se relaciona con las aguas interiores o las marinas pero puede ser de posible aplicación con las otras.

Podrá observarse que, a contar de este número, las dos primeros guarismos del número de serie que figura en el ángulo superior derecho de cada ficha, están separados por un guión de los cuatro últimos. Con ello queremos simplificar nuestros índices y así, cada índice mensual o anual se referirá únicamente a los cuatro últimos guarismos de cada número de serie.

Cuando tres o más temas consecutivos figuran en el índice bajo un mismo encabezamiento, sólo los cuatro últimos guarismos del primer número de serie y del último, serán indicados. Así, en un caso hipotético en el que los cuatro artículos 59-6848, 59-6849, 59-6850 y 59-6851 se refieran al Atlántico Nord-Oriental, se registrarán en el índice como sigue:

"ANE Atlantic, N.E. 6848 to 6851"

Referencias cruzadas de documentos publicados durante los años en que ha aparecido "Bibliografía Oceanographica" y que están anotados en ella, figurarán en lo sucesivo como en el ejemplo 59-0555 de este número. El trabajo de W. Kraus, allí mencionado, publicado en 1955, es la anotación 899 del volumen 28 de "Bibliographia Oceanographica".





BIBLIOGRAPHIA OCEANOGRAPHICA

Volume XXVIII (1955)

This volume, just published by the Italian Delegation to the International Commission for the Scientific Exploration of the Mediterranean Sea, in collaboration with FAO, contains over 5000 annotated references to documents published during 1955 on oceanography, marine biology, sea and brackish fisheries and related subjects. The annotations are in English and Italian; they are arranged in order of subject, and there is an author index.

Available from:

Consiglio Nazionale delle Ricerche  
Piazzale delle Scienze, 7  
Roma, Italia

Price: 6.500 Lit. - 12 U.S. \$

Complete sets of volumes 1(1928) to 23(1950) are available from the same address.

Price: 50.000 Lit. - 90 U.S. \$

BIBLIOGRAPHIA OCEANOGRAPHICA

Tome XXVIII (1955)

Ce volume, qui vient d'être publié par la Commission Internationale pour l'Exploration Scientifique de la Méditerranée, en collaboration avec la F.A.O., contient plus de 5000 références annotées aux publications parues en 1955 sur l'océanographie, la biologie marine, la pêche de la mer et des estuaires et sur des sujets apparentés. Les annotations sont en anglais et en italien. Ils sont mis par ordre de sujet et il y a une table des auteurs.

En vente auprès du:

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Piazzale delle Scienze, 7  
Roma, Italia

Prix: 6500 Lit. - 12 U.S. \$

La série complète des volumes 1(1928) - 23(1950) est en vente à la même adresse.

Prix: 50.000 Lit.- 90 U.S. \$



BIBLIOGRAPHIA OCEANOGRAPHICA

Volumen XXVIII (1955)

Este volumen, publicado recientemente por la Delegación Italiana de la Comisión Internacional para la Exploración Científica del mar Mediterráneo, en colaboración con la FAO, contiene más de 5000 referencias anotadas de documentos publicados durante 1955 sobre oceanografía, biología marina, pesquerías marinas y de aguas salobres, y otros temas afines. Las anotaciones están hechas en inglés e italiano y están clasificadas por orden de temas. Contiene un índice de autores.

Se puede obtener dirigiéndose al:

Consiglio Nazionale delle Ricerche  
Piazzale delle Scienze, 7  
Roma, Italia

Precio: 6.500 liras ó 12 dólares de los EE.UU.

Colecciones completas de los volúmenes 1(1928) a 23(1950) pueden encargarse a la misma dirección

Sus precios son: 50.000 liras ó 90 dólares de los EE.UU.





PERIODICALS SEARCHED REGULARLY IN FISHERIES BIOLOGY BRANCH

(Titles in alphabetical order according to rules followed  
in "World List of Scientific Periodicals", 3rd Ed.)

1. The A.I.B.S. Bulletin  
A.I.B.S. Bull.
2. Årbok. Universitet, Bergen. Naturvitenskapelig Rekke  
Årb.Univ.Bergen Naturvitensk.
3. Aarsberetning vedkommende Norges Fiskerier  
Aarsberetn.Norg.Fisk.
4. Accession Cards. Library of Congress  
Acc.Cards Libr.Congress
5. Acta Adriatica  
Acta adriat.
6. Acta Biologica. Szeged  
Acta Univ.Szeged (Biol.)
7. Acta Botanica Neerlandica  
Acta bot.neerl.
8. Acta Científica Venezolana  
Acta cient.venezol.
9. Acta Hydrophysica  
Acta hydrophys.
10. Acta Zoologica Sinica  
Acta zool.sinica
11. L'Action Forestière et Piscicole (discontinued)  
Action for.pisc.
12. Actualités marines  
Actualités mar.
13. Acuario  
Acuario
14. Administrative Report. Inland Fisheries Branch. California Department  
of Fish and Game  
Adm.Rep.Inl.Fish.Calif.
15. The Advancement of Science  
Advanc.Sci.,Lond.
16. Agricultural Index  
Agric.Index
17. Agriculture Pakistan  
Agric.Pakist.

18. Allan Hancock Pacific Expedition  
Allan Hancock Pacif.Exped.
19. Allgemeine Fischwirtschaftszeitung  
Allg.FischwirtschaftZtg.
20. American Journal of Botany  
Amer.J.Bot.
21. The American Naturalist  
Amer.Nat.
22. The American Scientist  
Amer.Scient.
23. Analele științifice ale Universității "Al.I.Cuza". Jassy  
Anal.științif.Jassy
24. Anales del Instituto de Biología. Universidad de México  
An.Inst.Biol.Univ.Méx.
25. Animal Behaviour  
Anim.Behav.
26. Annales Biologiques. ICES  
Ann.biol.,Copenhagen
27. Annales de l'Institut Océanographique, Paris  
Ann.Inst.Océanogr.,Paris
28. Annales Zoologici. Institut Zoologiczny, Warszawa  
Ann.Mus.zool.polon.
29. Annales de la Station Centrale d'Hydrobiologie Appliquée  
Ann.Sta.cent.Hydrobiol.appl.
30. Annales. Station Océanographique de Salammbô  
Ann.Sta.océanogr.Salammbô
31. The Annals of Applied Biology  
Ann.appl.Biol.
32. Annals of Botany. London  
Ann.Bot.,Lond.
33. The Annals of Mathematical Statistics  
Ann.math.Statist.
34. The Annals of Zoology. Academy of Zoology. Agra  
Ann.Zool., Agra
35. Annotated list of pertinent papers. ICNAF  
Annot.List Pap. I.C.N.A.F.
36. Annual Proceedings. ICNAF  
Ann.Proc.ICNAF



Annual report - see under Report

37. Annual Review and Program. Fisheries Council of Canada  
Annu.Rev.Fish.Coun.Can.
38. Annual Review of Microbiology  
Annu.Rev.Microbiol.
39. Arbeiten des Deutschen Fischerei - Verbandes  
Arb.dtsch.FischVerband
40. Arbeiten aus dem Institut für Seefischerei  
Arb.Inst.Seefisch.
41. Archiv für Fischereiwissenschaft  
Arch.FischWiss.
42. Archiv für Hydrobiologie  
Arch.Hydrobiol.
43. Archivio di Oceanografia e Limnologia. Consiglio Nazionale  
delle Ricerche, Venezia  
Arch.Oceanogr.Limnol., Venezia
44. Arquivos de Zoologia do Estado de São Paulo  
Arch.Zool.S.Paulo
45. Arkiv för Zoologi. Stockholm  
Ark.Zool.
46. Australian Journal of Biological Sciences. CSIRO  
Aust.J.biol.Sci.
47. The Australian Journal of Experimental Biology and Medical Science  
Aust.J.exp.Biol.med.Sci.
48. Australian Journal of Marine and Freshwater Research  
Aust.J.Mar.Freshw.Res.
49. Australian Journal of Science  
Aust.J.Sci.
50. Australian Journal of Zoology. CSIRO  
Aust.J.Zool.
51. Australian Newsletter  
Aust.Newsl.
52. Australian Zoologist  
Aust.Zool.
53. Balik ve Balıkçılık. Istanbul  
Balik Balıkçılık
54. Bamidgch. Bulletin of Fish Culture in Israel  
Bamidgch

55. Behavioral Science  
Behavior.Sci.
56. Berichte der Deutschen Wissenschaftlichen Kommission für  
Moeresforschung. Berlin  
Ber.dtsch.Komm.Moeresforsch.
57. Bericht über die Literatur der Binnengewässerkunde für das Jahr ...  
Moskau (discontinued)  
Ber.Lit.Binnengewässerk.
58. Berita Periklanan. Djakarta  
Berita Perik.
59. Bibliographie de la France  
Bibliogr.France
60. Bibliographia Oceanographica. Roma  
Bibliogr.oceanogr.
61. Bibliographien des Deutschen Wetterdienstes  
Bibliogr.dtsch.Wetterdienstes
62. Bibliography of Scientific Publications of South Asia  
Bibliogr.sci.Publ.S.Asia
63. Bibliography of Southwestern Asia  
Bibliogr.Southw.Asia
64. Biblioteca Scientifica Sovietica. Roma (discontinued)  
Bibl.sci.sov.
65. Biljeske - Notes. Split  
Biljeske, Split
66. The Biochemical Journal. Cambridge University Press. London  
Biochem.J.
67. Biochimica et Biophysica Acta. Amsterdam  
Biochim.biophys.Acta
68. Biological Abstracts (Section A and E)  
Biol.Abstr.
69. Biológia. Vydavateľstvo Slovenskej Akadémie Vied Bratislava  
Biológia
70. The Biological Bulletin. The Marine Biological Laboratory,  
Wood's Hole, Mass.  
Biol.Bull., Wood's Hole
71. Biological Notes. Urbana, Ill.  
Biol.Notes, Urbana

72. Biological Reviews. London  
Biol.Rev.
73. Biometrics  
Biometrics
74. Biometrika. London  
Biometrika
75. Boletim Bibliográfico. Instituto Brasileiro de Geografia e Estadística  
Bol.bibliogr.Cons.nac.Estatíst.
76. Boletim de Industria Animal, São Paulo  
Bol.Industr.anim.
77. Bolotim do Instituto oceanografico São Paulo, Brazil  
Bol.Inst.oceanogr,S.Paulo
78. Bolotim da Pesca. Gabinete de Estudos das Pescas, Lisboa  
Bol.Pesca
79. Boletín Bibliográfico Agrícola, Madrid  
Bol.bibliogr.agric.
80. Boletín de la Compania Administradora del Guano  
Bol.Comp.adm.Guano
81. Boletín Informativo. Dirección General de Pesca y Caza. Chile  
Bol.inform.Chilo
82. Boletín del Instituto Español de Oceanografía. Madrid  
Bol.Inst.esp.Oceanogr.
83. Boletín. Laboratorio de Biología Marina. Universidad Católica de  
Sto. Tomás de Villanueva. Marianao, Cuba  
Bol.Lab.Biol.mar.Univ.Villanueva
84. Boletín de la Sociedad Venezolana de Ciencias Naturales  
Bol.Soc.venezol.Cienc.nat.
85. Bollettino di Pesca. Ministero d'Agricoltura e delle Foreste  
Boll.Pesca
86. Bollettino di Pesca, di Piscicoltura e di Idrobiologia. Roma  
Boll.Pesca Piscic.Idrobiol.
87. The Botanical Gazette. Chicago, Ill.  
Bot.Gaz.
88. The Botanical Review. Lancaster, Pa.  
Bot.Rev.
89. Botaniska Notiser. Lund, Sweden  
Bot.Notiser



90. British Book News  
Brit.Bk.News
91. The British Journal of Animal Behaviour (discontinued)  
Brit.J.Anim.Behav.
92. Bulotinul Institutului de Cercetari Piscicole. Bucarest  
Bul.Inst.Cerc.piscic.
93. Bulletin Analytique de Documentation Politique, Economique et  
Sociale Contemporaine. Paris  
Bull.analyt.Doc.polit.econ.soc.
94. Bulletin of Aquatic Biology  
Bull.aquat.Biol.
95. Bulletin of the Bingham Oceanographic Collection  
Bull.Bingham oceanogr.Coll.
96. Bulletin du Centre d'Etudes et de Recherches Scientifiques, Biarritz  
Bull.Cont.Etud.Rech.sci., Biarritz
97. Bulletin, Chasse et Pêche. Service des Eaux et Forêts, Leopoldville,  
Congo Belge  
Bull.Chasse-Pêche Congo
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	ACIPENSERIDAE	583275	583277
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	Caspialosa	583496	583498
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	Clupea	583215	583266
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## 1,23 (continued)

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<i>Salmo</i>	583217	583221	583269
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	583637	583638	583639
	583715	583725	583734
	583736	583737	583738
	583746	583762	583782
	583800	584017	584024
		584116	584188
<b>SALMONIDAE</b>			584023

1,24	<i>Esox</i>	583276	583301	583305
		583447	584022	584138

1,38	<i>Anoptichthys</i>			583742
	<i>Astyanax</i>		583742	583920

1,40	<i>Abramis</i>			583790
	<i>Barbus</i>			583921

<i>Carassius</i>		583361	583407
	583421	583500	583501
		583666	584021

<i>Catostomus</i>			583426
<i>Cyprinus</i>	583225	583245	583260
	583277	583385	583386
	583390	583434	583500
	583790	583824	584153

<i>Leuciscus</i>			583329
<i>Misgurnus</i>		583410	583411
<i>Notemigonus</i>			583426
<i>Pelecus</i>			583313
<i>Phoxinus</i>			583500
<i>Pimephales</i>			583421
<i>Varicorhinus</i>			583921

1,41	<i>Heteropneustes</i>			583459
	<i>Ictalurus</i>		583715	583719

1,43	<i>Anguilla</i>	583215	583575	583576
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1,47	<i>Cololabis</i>			583312
	<i>Zenarchopterus</i>			583262

1,48	<i>Bregmaceros</i>			583262
	<i>Eleginus</i>			583788
	<b>GADIDAE</b>			583573
	<b>GADIFORMES</b>	583347	583573	
		583574	583581	

## 1,48 (continued)

<i>Gadus</i>	580886	583215	583255
	583300	583319	583321
	583447	583453	583549
	583582	583583	583584
	583585	583586	583587
	583588	583589	583590
	583591	583597	583598
	583599	583600	583601
		583774	584150

<i>Melanogrammus</i>		583322	583592
		583593	583594
		583595	583596

<i>Merluccius</i>			583331
<i>Motella</i>			583215

1,49	<i>Coelorhynchus</i>			583292
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1,50	<i>Gasterosteus</i>		583215	583500
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1,57	<i>Gambusia</i>			583674
	<i>Lebistes</i>			583940

1,65	<i>Atherion</i>			583390
	<i>Mugil</i>		583381	583258

1,66	<i>Polynemus</i>			583259
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1,70	<i>Ambloplites</i>			583426
	<i>Brama</i>			583312
	<i>Coryphaena</i>			584149
	<b>CYPHOSIDAE</b>			583230
	<i>Diplodus</i>			583292
	<i>Eucinostomus</i>			583424
	<i>Johnius</i>			583292
	<i>Lepomus</i>	583421	583425	583426
	<i>Lucioperca</i>			583790
	<i>Micropterus</i>		583425	583426
	<i>Perca</i>		583327	583426
	<i>Roccus</i>			583747
	<i>Tilapia</i>		583945	584162
	<i>Trachinus</i>			583292
	<i>Trachurus</i>		583299	583390

1,71	<i>Anarhichas</i>			583524
	<i>Pholis</i>			583500

1,72	<i>Ammodytes</i>			583215
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1,73	<i>Callionymus</i>			583262
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1,75	<i>Istiophorus</i>			584149
	<i>Makaira</i>			584149
	<i>Pneumatophorus</i>		583312	583691
	<i>Rastrelliger</i>			583256
	<i>Scomber</i>	583495	584118	584179



## 1,75 (continued)

	<i>Tetrapturus</i>		583253
	<i>Xiphias</i>		584180
1,77	ELEOTRIDAE		583484
	<i>Gobius</i>		583215
	<i>Periophthalmus</i>		583404
1,78	<i>Pallasina</i>		583254
	<i>Pleurogrammus</i>	583366	583378
	SCORPAENIDAE		583403
	<i>Sebastes</i>	583521 583522	583523
1,80	<i>Auxis</i>		583265
	<i>Germo</i>	583392 584186	584187
	<i>Neothunnus</i>	584182 584184	584183 584185
	<i>Parathunnus</i>	583398 583400	583399 583698
	584183		584183
	THUNNIFORMES		583864
	<i>Thunnus</i>		584181
1,82	<i>Psettodes</i>		583262
1,83	<i>Arnoglossus</i>		583262
	<i>Bothus</i>		583262
	<i>Cynoglossus</i>		583262
	<i>Heteromycteris</i>		583262
	<i>Limanda</i>	583548	583570
	<i>Microstomus</i>		583300
	<i>Platichthys</i>	583571	583572
	<i>Pleuronectes</i>	580886	583500
		583543 583544	583545
		583546 583547	583568
			583569
	<i>Pseudorhombus</i>		583262
	<i>Samaris</i>		583262
	<i>Solea</i>	583262	583549
1,89	<i>Triacanthus</i>		583262
1,97	<i>Parapegesus</i>		583262
1,99	FISHES, MISC.	583211	583212
		583230 583257	583287
		583288 583289	583291
		583296 583302	583303
		583309 583328	583334
		583336 583337	583338
		583339 583340	583341
		583342 583344	583346
		583347 583348	583351
		583352 583355	583362
		583374 583384	583389
		583395 583402	583417

## 1,99 FISHES, MISC (continued)

	583432	583433	583435
	583438	583439	583440
	583441	583445	583448
	583451	583453	583457
	583483	583485	583489
	583525	583526	583550
	583551	583552	583553
	583566	583648	583670
	583685	583695	583704
	583705	583706	583715
	583716	583717	583718
	583720	583721	583722
	583723	583724	583726
	583727	583728	583729
	583730	583732	583740
	583755	583760	583769
	583770	583771	583772
	583780	583781	583783
	583784	583785	583792
	583793	583794	583795
	583798	583800	583859
	583864	583868	583874
	583923	584018	584036
	584095	584101	584107
	584110	584111	584113
	584114	584139	584141
		584148	584163
2,00	CRUSTACEANS, GEN.		580264
	583211	583212	583239
	583264	583279	583307
		583316	583360
		583423	583428
	583444	583451	583477
		583518	583519
		583541	583563
		583565	583578
		583580	583654
		583678	583772
		583812	583815
		583870	583982
		584031	584037
		584041	584042
		584045	584046
		584049	584050
		584052	584053
		584055	584056
		584058	584059
		584061	584062
		584064	584105
		584174	584193
2,05	Acantholeberis		584016
	CLADOCERA	583293	583801

2,06	OSTRACODA	583211 583451	583212 584083
2,09	COPEPODA	583211 583236 583293 583451	583212 583231 583373 584084
2,10	Acanthocyclops	583241	583416
	Acartia		583249
	Allantogynus		583799
	Amphiascus		583318
	Calanus		583308
	Canthocamptus		583879
	Cyclops	583246	583659
	Diaptomus		583218
	Lernaeenicus		583471
	Lerneocera	583300	583319
	Mesocyclops		583241
	Rhizorhina		584144
	Sphaeronella		584144
	Stenhelia		583318
2,12	CIRRIPEDIA		583491
2,13	Balanus	583664	583804
2,19	Parabathynella		583961
2,20	Mesomysis		583786
	Paramysis		583786
2,21	CUMACEA		583820
2,23	ISOPODA		583491
	Mesidotea		583997
	Sphaeroma	583223	583224
2,24	Aora		584144
	Ampelisca		584144
	AMPHIPODA	583491	583820
	Comephorus		583238
	Ericthonius		584144
	GAMMARIDAE		583238
	Macrohectus		583238
	Orchomenella		583284
	Pontocrates		584144
2,25	Gonodactylus		583929
	Squilla		583929
2,28	Alpheus		583931
	Crangon		583294
	CRANGONIDAE	583481	583523
			583550
	NATANTIA		583760
	Pandalus		584173

## 2,28 (continued)

PENAEIDAE	583296	583337
Penaeus	584142	584151
2,29	Cambarellus	583667
	Cambarus	583948
	Camposcia	583931
	Chlorodiella	583930
	Detilla	583930
	Grapsus	583930
	Homarus	583283
		583284
		583286
		583640
	Jasus	584025
	Justitia	583216
	Menaethius	583931
	Orconectes	583703
	Ostracotheres	583930
	Pachygrapsus	583668
	Palinurellus	583216
	Palinurus	583216
		583773
	Palinustus	583216
		583216
	Panulirus	583941
	Petrolisthes	583931
	REPTANTIA	583712
	Uca	583420
		583939
2,99	CRUSTACEANS, MISC.	583082
	583211	583212
		583215
	583257	583357
		583359
	583451	583485
		583755
	583769	583772
		583800
	583859	584065
		584067
		584163
		584170
3,00	MOLLUSCS, GEN.	580264
		583211
	583212	583239
		583243
	583264	583279
		583307
	583311	583316
		583360
	583412	583423
		583428
	583435	583444
		583451
	583469	583477
		583503
	583518	583519
		583520
	583541	583563
		583564
	583565	583578
		583579
	583580	583654
		583663
	583678	583772
		583806
	583812	583815
		583825
	583870	583982
		584011
	584029	584031
		584037
	584038	584041
		584042
	584044	584045
		584046
	584047	584048
		584049
	584050	584051
		584052
	584053	584054
		584055
	584056	584057
		584058
	(continued)	

3,00	MOLLUSCS, GEN. (continued)		
		584059	
	584060	584061	584062
	584063	584064	584105
	584106	584174	584193
3,05	GASTROPODA		584001
3,07	Theodoxis		583658
3,09	Babylonia		583358
	Murex		583680
3,10	Potamopyrgus		583658
3,11	Berthelinia		583926
	Chromodoris		583928
	Limapontia		583808
	Phyllodesmium		583927
	Tergipes		583808
3,13	Biomphalaria		583490
	PLANORBIDAE		583449
3,15	PELECYPODA		583401
3,16	Anodonta		584175
	Crassostrea	583323	583665
	Hyriopsis	583397	583858
	MYTILIDAE		584002
	Mytilus	583247 583319	583323 583643
	Ostrea	583323 583641	583642
	OSTREIDAE	583211 583212	
		583282 583388	583401
		583451 583580	583760 584079
	Pinctada	583397	584025
	Propeamussium		583310
	Unio		584175
3,17	Corbicula	583363	583364
	TEREDINIDAE		583491
	Venerupis		583323
	Venus	583310	583665
3,19	CEPHALOPODA		583396
3,20	NAUTILIDAE	583211 583212	
		583451	584080
3,21	Alloteuthis		583215
	Architeuthis		583773
	Ommastrephes		583773
	Sepia		583773

3,99	MOLLUSCS, MISC.	583211	583212
		583257 583310	583357
		583451 583485	583755
		583769 583772	583800
		583859 584065	584081 584163
4,06	Cystophora		583466
	Halichoerus	583321	584033
	Mirounga		583465
	Phoca		583321
	PINNIPEDIA	583453	583462 583713
4,14	Halicore	583924	583925
	SIRENIA		583753
4,16	MURIDAE		583422
	Myocastor		583418
4,21	CETACEA	583369 583370	583371
		583686 583753	584146 584192
4,22	Hyperoodon		583468
	Kogia		583473
	ODONTOCETI		583314
	Phocaena		584116
4,23	Balaenoptera		583473
	Megaptera		584025
	MYSTACOCETI		583314
4,97	MAMMALS, AQUATIC	583211 583451	583212 584100
5,05	AMBYSTOMIDAE		583478
5,12	Rana		583751
5,29	AMPHIBIANS, MISC.		583211
		583212 583451	584096
5,30	REPTILES, GEN.		584168
5,31	Chelodina		583653
	CHELONIA	583211 583219	583212 583451
		583753	584098
	Dermochelys		583773
	Terrapene		583479
5,34	SAURIA		583753
5,35	SERPENTES		583219



5,49	REPTILES, MISC.	583211 583451	583212 584097
5,50	BIRDS, GEN.'		583868
5,58	Spheniscus		583299
5,62	FREGATIDAE		583752
	Moris		583299
	PELECANIDAE		583752
	PHAETONTIDAE		583752
	PHALACROCORACIDAE		583752
	Phalacrocorax		583299
	SULIDAE		583752
5,64	ANSERIFORMES		583714
5,68	Larus		583675
5,79	Corvus		583792
5,87	BIRDS, AQUATIC	583211 583451	583212 584099
5,93	Siboglinum		583454
5,94	TUNICATA	583211 583451	583212 584093 584170
5,96	ASCIDIACEA	583211 583451	583212 584092
	Ciona		583936
6,01	Trypanosoma		583874
6,03	Amphitrema		583651
	Arcella		583651
	Assulina		583651
	Centropyxis		583651
	Corythion		583651
	Cyclopyxis		583651
	Diffugia	583651	583652
	Endamoeba		583219
	Euglypha		583651
	Heleopera		583651
	Jungia		583651
	Nebela		583651
	Plagiopyxis		583655
	RHIZOPODA	583211 583451	583212 584072
	Tetrahymena	584006	584007
	Thecamoeba	583660	583661
	Trinema		583651
6,04	ACTINOPODA	583211 583451	583212 584070

6,11	Condyllostoma	583646	583647
	Spirostomum		583995
	Stentor		583999
6,13	PORIFERA	583211 583451	583212 583491 584073
6,15	Cliona		583220
6,17	Hydra		583702
	HYDROZOA	583293	584166
	Polypodium		583819
6,19	ANTHOZOA	583211 583712	583212 584056 584075
	Heteroxenia		583927
	Xenia		583927
6,23	PLATYHELMINTHES	583211 583451	583212 584078
6,27	Azygia		583943
	Schistosoma		583449
6,31	NEMERTEA	583211	583212 583451 584078
6,33	NEMATODA	583211	583212 584078
	Porrocaecum	583321	583453
6,35	ACANTHOCEPHALA	583211 583451	583212 584078
6,37	ROTATORIA		583993
6,40	BRYOZOA	583211 583491	583212 584065 584076
6,43	BRACHIOPODA		583211 583451 584077
6,44	PHORONIDEA	583211 583451	583212 584065
6,45	CHAETOGNATHA	583211 583451	583212 583578 584078
6,46	ANNELIDA		583491
6,48	POLYCHAETA	583211 583451	583212 583810 584065 584078



6,49	<i>Eunicemorpha</i>		583823
	<i>NEREIDAE</i>		583215
	<i>Nereis</i>		583938
6,50	<i>Arenicola</i>		583462
6,51	<i>ENCHYTRAIDAE</i>		583750
	<i>EUDRILIDAE</i>		583750
	<i>MEGASCOLECIDAE</i>		583750
	<i>NAIDIDAE</i>		583750
	<i>OLIGOCHAETA</i>	583211	583212
		583451	584078
	<i>Pygmaeodrilus</i>		583964
	<i>TUBIFICIDAE</i>		583242
6,52	<i>GEPHYREA</i>	583211	583212
		583451	584065
	<i>Urechis</i>		583950
6,53	<i>Glossiphonia</i>	583875	583955
	<i>HIRUDINEA</i>	583211	583212
		583451	583992
	<i>Hirudo</i>		583298
6,54	<i>ARTHROPCDA</i>	583211	583212
		583451	584086
6,56	<i>XIPHOSURA</i>	583211	583212
		583451	584085
6,63	<i>PYCHNOGONIDA</i>		583922
6,66	<i>INSECTA</i>	583211	583212
		583451	583748
		583996	584003
6,69	<i>ORTHOPTERA</i>		583986
6,71	<i>PLECOPTERA</i>		583464
6,75	<i>Lepidophthirus</i>		583465
6,76	<i>Baëtis</i>	583872	583877
	<i>Chloëon</i>		584143
	<i>Cloëon</i>		583968
	<i>EPHEMEROPTERA</i>	583464	583972
	<i>Euthraulus</i>		583971
	<i>Povilla</i>	583464	584013
	<i>Procloëon</i>		583968
6,77	<i>Cordulla</i>		583976
	<i>Epiophlebia</i>		583878
	<i>Libellula</i>		583960
	<i>LIBELLULIDAE</i>		583967
	<i>ODONATA</i>	583956	583957
		583958	583966
			583990
			584012

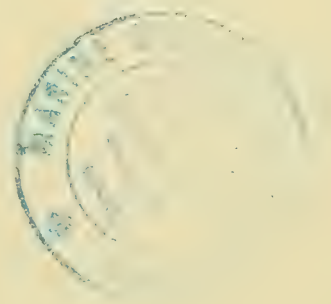
6,77	(continued)		
	<i>Sympetrum</i>	583984	583985
6,79	<i>HEMIPTERA</i>		584004
	<i>Sigara</i>		583989
6,80	<i>NEUROPTERA</i>		583965
6,82	<i>Agrypnia</i>		583962
	<i>Athripsodes</i>		583464
	<i>Hydropsyche</i>		583974
	<i>Stenophylax</i>		593963
	<i>TRICHOPTERA</i>	583464	583909
		583959	583965
		583983	583991
			584015
6,83	<i>Ephestia</i>		583677
	<i>Idechthis</i>		583677
6,84	<i>Agabus</i>		583973
	<i>Dytiscus</i>		583973
6,87	<i>Aedes</i>		583998
	<i>Anopheles</i>		583969
	<i>Chaoborus</i>		583464
	<i>CHIRONOMIDAE</i>	583464	583803
		583807	583979
	<i>Clinotanypus</i>		583464
	<i>CULICIDAE</i>		583978
	<i>Limonia</i>		584009
	<i>Prosimulium</i>		583970
	<i>Simulium</i>	583975	584008
	<i>TENDIPEDIDAE</i>		583234
	<i>Tanytarsus</i>		583464
	<i>Tipula</i>		584000
	<i>TIPULIDAE</i>		583988
	<i>Ula</i>		584010
6,89	<i>ECHINODERMATA</i>	583491	583944
6,90	<i>CRINOIDEA</i>	583211	583212
		583451	584088
6,91	<i>ASTEROIDEA</i>	583211	583212
		583451	584089
6,92	<i>OPHIUROIDEA</i>	583211	583212
		583451	584089
6,93	<i>Arbacia</i>		583672
	<i>Dendraster</i>		583942
	<i>ECHINOIDEA</i>	583211	583212
		583451	584065
	<i>Lytechinus</i>		583673
	<i>Mellita</i>		583946

6,93	(continued)			
	<i>Tripneustes</i>		583222	
6,94	<i>Holothuria</i>		583455	
	HOLOTHURIOIDEA	583799	584091	
6,97	INVERTEBRATES, AQUATIC		580264	
	583211	583212	583239	
	583243	583264	583279	
	583307	583311	583316	
	583360	583412	583423	
	583428	583435	583444	
	583451	583477	583503	
	583518	583519	583520	
	583541	583563	583564	
	583565	583578	583579	
	583580	583654	583663	
	583678	583772	583784	
	583785	583806	583812	
	583815	583825	583870	
	583980	583982	583987	
	584029	584031	584037	
	584038	584041	584042	
	584044	584045	584046	
	584047	584048	584049	
	584050	584051	584052	
	584053	584054	584055	
	584056	584057	584058	
	584059	584060	584061	
	584062	584063	584064	
	584105	584106	584169	
	584170	584174	584193	
7,00	ALGAE, GEN.		580264	583211
	583212	583226	583231	
	583239	583264	583279	
	583311	583316	583360	
	583428	583435	583444	
	583451	583461	583477	
	583518	583519	583520	
	583541	583563	583564	
	583565	583578	583579	
	583580	583654	583678	
	583731	583772	583806	
	583808	583825	583849	
	583870	583987	584029	
	584031	584037	584038	
	584040	584041	584043	
	584044	584045	584046	
	584047	584051	584052	
	584053	584054	584055	
	584056	584057	584058	
	584059	584060	584061	
	584062	584063	584064	
	584105	584106	584174	
			584193	
7,01	CHLOROPHYCEAE		583876	583908
7,03	<i>Carteria</i>			583650
	<i>Chlamydomonas</i>		583650	584176
7,06	<i>Ankistrodesmus</i>			583904
	<i>Chlorella</i>		583387	583933
	<i>Scenedesmus</i>		583387	583768
7,08	<i>Ulva</i>		583671	583692
7,11	<i>Basycladia</i>			583653
	<i>Dermatophyton</i>			583653
7,13	<i>Oedogonium</i>			583387
7,16	<i>Micrasterias</i>			583906
	<i>Staurostrum</i>			583900
7,17	<i>Vaucheria</i>		583902	583907
7,31	CHRYSTOPHYCEAE		583211	583212
			583451	584071
7,32	<i>Mallomonas</i>			583903
7,41	BACILLARIOPHYCEAE			583211
			583212	583372
			583901	583913
				584069
7,42	<i>Rhizosolenia</i>			583293
7,43	<i>Nitzschia</i>			583849
7,52	<i>Chilomonas</i>		584006	584007
	<i>Cryptomonas</i>			583650
7,65	DINOFLAGELLATA			583293
7,66	<i>Gymnodinium</i>			583650
7,67	<i>Amphidinium</i>			583650
	<i>Peridinium</i>			583650
7,70	<i>Anisonema</i>			583650
	<i>Euglena</i>			583657
	<i>Petalomonas</i>			583650
7,76	<i>Desmarestia</i>			583947
7,77	<i>Alaria</i>			583365
7,79	<i>Dictyopteris</i>			583377
	<i>Dictyota</i>			583377
	<i>Spatoglossum</i>			583436

7,80	SARGASSACEAE		584035
7,81	RHODOPHYCEAE		583380
7,82	Porphyra	583388	583692
	Porphyridium		583933
7,86	Corynomorpha		584028
	Grateloupia		583376
7,91	MYXOPHYCEAE	583748	583908
7,92	Microcystis		583387
7,95	Nostoc		583908
	Oscillatoria		583387
7,99	ALGAE, MISC.	583647	583648
	583749	583784	583785
	583873	583898	583899
	583905	583910	583911
		583912	584165
8,00	FUNGI, GEN.	583784	583785
			583873
8,01	BACTERIA*	583211	583212
	583357	583451	583784
	583785	583801	583821
	583880	584043	584044
	584045	584046	584047
	584058	584059	584060
	584061	584062	584066
	Bacillus		583896
	Clostridium		583895
	Pseudomonas		583894
8,32	Phycomycetes		583953
8,33	Karlingia		583954
8,37	Saprolegnia		583386
8,48	Stylopage		583446
	Zoopage		583446
8,94	Heliscus		583918
9,01	BRYOPHYTA		583913
9,43	Hydrilla		583387
9,44	Eichornia	583470	584034
9,47	Phragmites		583917

\* Sub-divisions with aquatic forms.

9,97	HIGHER PLANTS, AQUATIC	583251
	583252	584165
		584167
		584068
9,99	HIGHER PLANTS, MISC.	583211
	583212	583451
	583714	583785
	584059	584060
		584062
		584167







100	AFRICA	585069	585443	585444
		585839		
113	Morocco		585625	585626
141	Fr. W. Africa		585623	585624
		585643	585647	
145	Nigeria	585800	585801	585802
		585803	585804	585867
154	Union of S. Africa			585401
155	Mozambique		585399	585401
200	NORTH AMERICA			
210	<u>Canada</u>		585511	585781
211	Canadian Arctic			585068
212	British Columbia			585124
215	Quebec		585819	585820
216	Labrador			585471
220	<u>Alaska</u>		585143	585368
230	<u>United States of America</u>			585137
		585143	585148	585368
		585425	585512	585638
		585639	585699	585702
		585703	585781	585799
231	Washington State		585146	585874
232	California	585078	585079	585141
		585722	585809	585810
235	Texas		585723	585733
236	New England			585089
237	Maryland		585087	585697
237	Virginia	585097	585108	585109
238	S. Carolina		585145	585700
238	Florida	585081	585328	585811
250	<u>Greenland</u>	585213	585527	585558
		585560	585592	
300	LATIN AMERICA			585695
311	Mexico	585117	585404	585698
		585711		
315	Panama			585696
320	<u>Caribbean Is.</u>		585708	585709
321	Bahamas			585776
323	Haiti			585113
325	Puerto Rico		585710	585777
341	Galapagos Is.			585713
343	Chile			585435
351	Brazil			585112
400	ASIA		585701	585784
416	Iraq			585364
421	W. Pakistan			585417

423	India	585651	585652	585653
		585654	585656	585657
		585658	585659	585660
		585661	585662	585663
		585664	585665	585712
		585741		
424	Ceylon			585367
425	E. Pakistan			585423
432	Thailand	585825	585831	585834
		585835		
434	Indonesia			585895
441	Chinese People's Republic		585747	585748
442	Hong Kong		585125	585830
451	Japan	585059	585063	585114
		585115	585116	585400
		585445	585744	585745
		585746	585751	585781
500	EUROPE			585784
510	Scandinavia			585740
511	Denmark	585171	585180	585196
		585213	585214	585215
		585220	585230	585250
		585265	585276	585285
		585294	585314	585502
		585519	585610	585611
512	Faroe Is.	585214	585481	585527
513	Iceland	585173	585235	585268
		585299	585319	585469
		585470	585489	585506
		585522	585527	585533
514	Norway	585118	585175	585222
		585237	585251	585257
		585260	585309	585321
		585342	585514	585585
516	Sweden	585187	585193	585210
		585226	585240	585283
		585307	585325	585510
		585524	585612	
517	Finland	585190	585217	585232
		585296	585316	585504
		585520	585553	585595
521	Netherlands		585184	585236
		585261	585281	585290
		585302	585508	585543
		585577	585614	

522	Belgium	585179	585229	585245	543	Italy	585262	585301	585513
		585254	585275	585284			585840	585841	585843
		585293	585313	585472			585844	585847	585848
		585518	585627		551	Yugoslavia			585394
544	France	585074	585182	585199	555	Romania	585852	585853	585857
		585218	585233	585247			585858		
		585256	585259	585266	561	Germany	585172	585183	585191
		585278	585287	585297			585219	585234	585243
		585311	585317	585429			585253	585258	585267
		585431	585432	585433			585279	585288	585298
		585434	585581	585649			585318	585589	
		585650	585850	585862	561	Federal Republic of			585152
		585866	585869	585871		Germany	585427	585428	585505
		585876	585877	585879			585521	585543	
		585882			572	Poland	585185	585192	585208
531	Ireland	585174	585198	585221			585223	585238	585270
		585248	585261	585269			585303	585322	585458
		585280	585289	585300			585495	585550	585569
		585320	585523	585593			585575	585588	585594
		585616	585806	585807	573	Czechoslovakia	585151	585456	
532	United Kingdom	585122	585123		600	<u>OCEANIA</u>			
		585176	585271	585272	610	<u>Australia</u>	585076	585111	
		585405	585690	585743			585128	585129	585365
533	England	585126	585176	585181			585366	585756	585758
		585216	585231	585244			585759	585760	585761
		585261	585271	585277			585837		
		585286	585295	585315	616	Queensland	585130	585829	
		585357	585362	585477	617	Tasmania	585127	585132	585757
		585503	585563	585573			585785		
		585671	585687	585787	618	Macquarie I.			585442
533	Wales	585181	585261	585271	630	<u>New Zealand</u>	585636	585821	
		585277	585286	585336	641	Fr. Oceania			585105
		585339	585477		660	<u>Hawaiian Is.</u>	585100	585104	
534	Scotland	585147	585176	585186			585368		
		585209	585224	585239	671	Marianas Is.			585685
		585261	585272	585282	685	Samoa			585077
		585291	585305	585323	700	UNION OF SOVIET SOCIALIST			
		585347	585349	585350		REPUBLICS	585070	585177	
		585354	585355	585356			585188	585194	585200
		585466	585474	585509			585211	585227	585241
		585543	585566	585567			585273	585308	585310
		585587	585596	585672			585326	585382	585415
		585680					585515	585525	
537	I. of Man			585633	710	<u>Russian F.S.S.R.</u>			585121
541	Portugal	585249	585263	585304			585378	585379	585380
		585584	585628				585389	585603	585607
542	Spain	585119	585120	585197	800	SPECIAL INTERCONTINENTAL			
		585225	585246	585255		REGIONAL GROUPINGS			
		585306	585324	585583					
		585621	585664						

820	<u>Antarctic Continent</u>	585451
	585792 585872	
A	ATLANTIC OCEAN	585195 585196
	585197 585198 585199	
	585200 585582 585620	
	585861	
AN	<u>Atlantic, N.</u>	585088 585090
	585091 585092 585093	
	585095 585485 585516	
	585517 585527 585532	
	585724	
ANW	<u>Atlantic, N.W.</u>	585732
ANE	<u>Atlantic, N.E.</u>	585156 585157
	585158 585159 585161	
	585162 585163 585164	
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	585316 585317 585318
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	585322 585323 585324
	585325 585326 585360
	585478 585480 585491
	585562 585676
ANE.02	Barents Sea 585227 585559
ANE.03	Greenland Sea 585484 585798
ANE.04	North Sea 585071 585215 585476
	585483 585492 585497
	585517 585547 585564
	585565 585571 585572
	585574 585576 585578
	585586 585768
ANE.05	Baltic Sea 585160 585189
	585190 585191 585192
	585193 585194 585227
	585422 585455 585459
	585493 585494 585517
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	585551 585552 585554
	585555 585556 585568
	585570 585579 585580
	585589 585590 585591
	585598 585600 585601
	585605
ANE.08	English Channel 585517 585565
ANE.09	Irish Sea 585473 585517
ANE.10	Norwegian Sea 585121 585484
	585488
ASW.01	G. of Mexico 585084 585085
	585086 585691 585692
	585693 585694 585704
ASW.02	Caribbean Sea 585691 585692
	585693 585694 585732



ASE.01	B. of Biscay	585410	585682
ASE.02	Mediterranean Sea		585582
		585861	
ASE.03	Mediterranean Sea,		
	Western		585882
ASE.04	Thyrranian Sea		585860
ASE.05	Mediterranean Sea,		
	Eastern		585647
ASE.08	Adriatic Sea	585409	585479
ASE.12	G. of Guinea		585490
I	INDOPACIFIC OCEAN		585101
		585102	585103 585419
		585420	585454 585808
		585885	
IN	<u>Pacific, N.</u>	585096	585098
		585327	585449 585720
IN.01	Japan Sea		585838
IS	<u>Tropical Indopacific</u>		585775
		585886	585887 585890
ISW	Indian Ocean	585640	585888
		585890	
ISW.05	Arabian Sea		585655
ISW.06	B. of Bengal	585396	585406
ISEW	Indopacific, Central		585099
ISEW.02	S. China Sea	585750	585890
ISEW.04	E. China Sea		585889
ISE	Pacific, S.E.		585631
ISE.02	G. of Panama		585136
P	POLAR SEAS		
PN	<u>Arctic Ocean</u>	585557	585561
		585814	
PN.02	Weddell Sea		585793
L	INLAND SEAS AND INTER-		
	TERRITORIAL LAKE SYSTEMS		
L.21	<u>American Great Lakes</u>		585082
		585083	585870
L.73	<u>Aral Sea</u>		585377



Anonymous (1958) 59-0001  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.

Okeanogr., 34:5-6  
Dinamika populiatsii morskikh ryb  
(Dynamics of marine fish populations)

States that data published in this symposium regard the numerical trend of commercial fish stocks, the study of which helps to make commercial fishing forecasts & to appraise fish reserves.

FAO:go

MF

Toom, M.M. (1958) 59-0004  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.

Okeanogr., 34:19-29  
Opyty po inkubatsii ikry baltiiskoi salaki (Experiments on incubation of Clupea harengus membras spawn).  
En

Describes procedure of artificial fertilizing & incubation in natural surroundings & methods of development control, duration of embryonic development according to environments, mortality rates of eggs, behaviour of hatched embryos. States data on size-

Rannak, L.A. (1958) 59-0002  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.

Okeanogr., 34:7-18  
Kolichestvennyi uchet embrionov i lichinok salaki v severnoi chasti Rizhskogo zaliva i osnovnye faktory, obuslovlivaiushchie ikh vyzhivaemost (Quantitative appraisal of Clupea harengus membras embryos & larvae in the northern area of the Bay of Riga & the main factors of their survival). En

Describes procedure, spawning grounds & behaviour, environments, development of embryos, growth & behaviour of larvae & fry in various conditions.

59-0004  
(Card 2)  
relations between spawners, eggs & embryos.

FAO:go

M

59-0002  
(Card 2)  
Stresses importance of studying the trend of reproduction & development for commercial fishing forecasting.

FAO:go

M

Dementieva, T.F. (1958) 59-0006  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.

Okeanogr., 34:30-62  
Metodika izucheniia vliianiia estestvennykh faktorov na chislennost azovskoi khamsy (Methods for studying the influence of natural factors on the numbers of Azov Sea Engraulis encrasicolus). En

Examines the fluctuations of anchovy reserves, observed from 1932-53 & states that they depend on reproduction & fry survival conditions. Describes methods used for studying living

59-0006  
(Card 2)

conditions of anchovies in natural surroundings, by systematic sampling & appraisal of fish, eggs & fry, live feed, salinity, oxygen, meteorological conditions.

FAO:go

M

Kuzmin, A.G. (1958) 59-0010  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 34:87-95

O kolebaniyakh chislennosti sudaka v Severnom Kaspii (Numerical fluctuations of perchpike in the N. Caspian). En

Examines fluctuations of perchpike stocks in relation to breeding conditions, food resources & commercial fishing. States that spawning conditions & environment at early stages of development have a greater influence on the size of stocks than other factors,

Zemskaya, K.A. (1958) 59-0008  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 34:63-86

Rost i polovoe sozrevanie severo-kaspiiskogo leshcha v svyazi s izmeneniyem ego chislennosti (Growth & sexual development of N. Caspian bream in relation to its changing numbers). En

Examines changing environmental conditions at & in front of the Volga estuary due to harnessing of the river-flow & their effect on commercial fishing forecasting. Describes methods for studying indices of fish stocks

59-0010  
(Card 2)  
that artificial raising of fingerlings would ensure most effectively reproduction of perchpike.

FAO:go

MF

59-0008  
(Card 2)

development on breeding grounds: growth, food resources, environment, age composition in relation to numerical strength of stocks.

FAO:go

MF

Kuzmin, A.G. (1958) 59-0012  
Trud.vsesoiuz.n.i Inst.Khoziaistv.  
Okeanogr., 34:96-101

Sostav nerestovykh populyatsii volzhskogo i uralskogo sudaka v svyazi s biologicheskimi osobennostyami etikh ryb (Composition of Volga & Ural perchpike spawning populations in connection with their peculiar biological features). En

States that the N. Caspian semi-anadromous perchpike population consists of 2 parts, the Volga & the Ural stocks, differing by their biological features,

59-0012  
(Card 2)  
due to breeding conditions in their native rivers. States data on age composition, size, maturity, fertility of spawners belonging to both stocks.

FAO:go

MF

Nikolaev, I.I. (1958) 59-0016  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 34:133-53

O mnogoletnikh kolovaniiaxh chislennosti baltiiskoi kilki v sviazi s kolobaniiami produktivnosti planktona (Plurionna) numerical fluctuations of Baltic sprat in connection with fluctuations of plankton productivity). En

Describes the distribution, behaviour & the marked numerical fluctuations of Sprattus sprattus balticus stocks on the basis of commercial catches for the past 50 years. States data on the latter & on the occurrence of zooplankton on

Zheltenkova, M.V. (1958) 59-0014  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 34:102-26

O vliianii uslovii otkorma na populatsiiu ryb (Effect of nutrition conditions on a fish population). En

Tentative summing up of conclusions reached by 75 authors, both Russian & foreign, in 106 papers on the subject.

FAO:go

MF

59-0016  
(Card 2)

which sprat feeds. States similar data also on Osmorus oporlanus oporlanus m. spirinchus.

FAO:go

MF

Naumov, V.M. (1958) 59-0015  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 34:127-32

O pitanii treski v Baltiiskom more (Nutrition of cod in the Baltic Sea). En

Examines food items consumed by the Baltic sub-sp. Gadus morhua callarias according to seasons & areas. States data obtained by visual study in the field of 15,000 cod stomachs & laboratory analysis of 800 stomachs.

FAO:go

M

Nikolaev, I.I. (1958) 59-0018  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 34:154-77

Nekotorye faktory, opredoliaushchie kolobaniia chislennosti salaki i Atlantichesko-skandinavskoi seldi (Certain factors which determine numerical fluctuations of both Baltic & Atlantic-Scandinavian herring). En

Describes the different biological groups of herring. States data on herring catches, live-food resources & climatic conditions for 50 years. Concludes that the numerical strength of herring generations depends mainly on



59-0018  
(Card 2)  
food resources, the latter being  
influenced by the wintertime hydro-  
logical regime.

FAO go

Canada. Department  
of Fisheries (1957)  
Vancouver, 39 p.  
A report on the fisheries problems  
related to the power development of the  
Cheakamus river system

Describes the effect of power  
development on a British Columbia  
river on runs of Oncorhynchus & Salmo,  
& suggests methods for preservation;  
incl. an account of biological surveys,  
population estimates, value of the  
fishing, etc.

WAD:wad

MF

Dmitriev, N.A. (1958) 59-0020  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okcanogr., 34:178-84  
Razlichie i skhodstvo biologicheskikh  
priznakov bolomorskikh soldoi i  
baltiiskoi salaki (Diversity &  
similarity between biological features  
of White Sea & Baltic herring). En

Describes various forms of herring &  
dwells on White Sea Clupea harengus  
pallasi maris-albi & Baltic C. h. mom-  
bras, both being typical endemics of  
partially landlocked seas. Their common  
features consist in the behaviour,  
particularly in spawning habits. They

International Commission 59-0023  
on Irrigation & Drainage (1958)  
Sunder Nagar, 115 p.  
Bibliography of irrigation, drainage,  
river training and flood control,  
1954-1956

Contents as per title.

:glk

F

59-0020  
(Card 2)  
differ in that Baltic herring  
denotes higher growth rates &  
fertility.

FAO:go

M

Endean, R. (1957) 59-0024  
Quart.J.micr.Sci., 98(4):455-73  
The Cuvierian tubules of Holothuria  
leucospilota



Sanders, H.L. (1958) 59-0025  
Limnol.Oceanogr., 3:245-58  
 Benthic studies in Buzzards Bay. I.  
 Animal-sediment relationships

Quantitative distribution of benthos  
 on various types of bottom.  
 Description of communities & study of  
 feeding habits on various types of  
 bottom.

TL:tl

M

Williams, A.B. (1958) 59-0028  
Limnol.Oceanogr., 3:283-90  
 Substrates as a factor in shrimp  
 distribution

Experimental study on the choice of  
 type of substrates in partitioned  
 troughs by Penaeus setiferus, P.  
aztecus & P. duorarum.

TL:tl

M

Anderson, G.C. (1958) 59-0026  
Limnol.Oceanogr., 3:259-70  
 Some limnological features of a shallow  
 saline meromictic lake

Study of seasonal variations of some  
 physical, chemical & biological  
 features.

TL:tl

F

Gorham, E. (1958) 59-0029  
Limnol.Oceanogr., 3:291-8  
 Observations on the formation and  
 breakdown of the oxidized microzone at  
 the mud surface in lakes

Observations on the influence of  
 autumn turnover on the uppermost  
 sediment layer.

TL:tl

F

Fingerman, M., M.E. 59-0027  
 Lowe & W.C. Mobberly, Jr. (1958)  
Limnol.Oceanogr., 3:271-82  
 Environmental factors involved in  
 setting the phases of tidal rhythm of  
 color change in the fiddler crabs Uca  
pugilator and Uca minax

Observations were performed to  
 determine the relationship between the  
 time of maximal pigment dispersion in  
 the fiddler crabs, Uca pugilator & Uca  
minax, & the tidal events on the beach  
 where the crabs were collected.

TL:tl

M

Hayes, F.R. & 59-0030  
 E.H. Anthony (1958)  
Limnol.Oceanogr., 3:299-307  
 Lake water and sediment. I.  
 Characteristics and water chemistry  
 of some Canadian east coast lakes

Description of 16 lakes; method of  
 indirect estimation of the sum of Na &  
 K; & annual cycles of pH, P, alkalinity,  
 Ca & Mg.

TL:tl

F

Hayes, F.R., B.L. Reid 59-0031  
 & M.L. Cameron (1958)  
Limnol.Oceanogr., 3:308-17  
 Lake water and sediment. II.  
 Oxidation-reduction relations at the  
 mud-water interface

Redox potentials of mud cores from 7  
 lakes, incl. acid bog, unproductive, &  
 productive types, were measured with  
 Mortimer's multiple electrode.  
 Discussion on the causes of seasonal  
 changes of redox potential in the  
 sediment surface.

TL:tl F

Shimada, B.M. (1958) 59-0034  
Limnol.Oceanogr., 3:336-9  
 Diurnal fluctuation in photosynthetic  
 rate and chlorophyll "a" content of  
 phytoplankton from Eastern Pacific  
 waters

Contents as per title.

TL:tl M

Macpherson, L.B., N.R. 59-0032  
 Sinclair & F.R. Hayes (1958)  
Limnol.Oceanogr., 3:318-26  
 Lake water and sediment. III. The  
 effect of pH on the partition of  
 inorganic phosphate between water and  
 oxidized mud or its ash

Dried & reconstituted mud from pairs of  
 primitive, medium, productive, & acid  
 bog lakes was shaken to phosphorus  
 equilibrium with water, & the  
 quantitative release of P into the  
 water was analyzed in relation to the  
 pH of the medium.

TL:tl F

Odum, H.P., E.J. Kuenzler & 59-0035  
 Sister M.X. Blunt (1958)  
Limnol.Oceanogr., 3:340-5  
 Uptake of P<sub>32</sub> and primary productivity  
 in marine benthic algae

The rate of uptake of tracer P<sub>32</sub> from  
 normal sea water & the primary  
 productivity of 7 spp. of large  
 intertidal benthic algae were measured  
 simultaneously in light & dark bottles  
 suspended in a running seawater  
 aquarium under constant light &  
 temperature.

TL:tl M

Ryther, J.H. & 59-0033  
 C.S. Yentsch (1958)  
Limnol.Oceanogr., 3:327-35  
 Primary production of continental shelf  
 waters off New York

Study of primary production by  
 chlorophyll-radiation method &  
 comparison of the results to C<sub>14</sub>  
 uptake & O<sub>2</sub>-production values.

TL:tl M

Anonymous (1958) 59-0036  
Limnol.Oceanogr., 3:346-7  
 The Venice system for the classification  
 of marine waters according to  
 salinity

Definition of the qualitative terms of  
 brackish water salinities.

TL:tl MF

Devillers, C. & L. Rajchman (1958) 59-0037  
C.R.Acad.Sci., Paris, 247:2033-5  
 Quelques données sur l'utilisation du vitellus au cours de la gastrulation dans l'oeuf de Salmo irideus (Some data on the use of the vitellus during gastrulation of the egg of Salmo irideus)

Note on the nutritional significance of the yolk.

FAO:glk

F

Audoinot, R. & E. Kahane (1958) 59-0040  
C.R.Acad.Sci., Paris, 247:2051-4  
 Les substances à triméthylamino labile des animaux marins (Labile triméthylamino substances in marine animals)

Study, chiefly of Mytilus edulis, with improved technique, demonstrating presence of trimethylamino, its oxide, & substances easily liberating it - which the authors call 'labile triméthylamino'.

FAO:glk

M

Vuillemin, S. (1958) 59-0038  
C.R.Acad.Sci., Paris, 247:2038-40  
 Fixation obtenue au laboratoire des larves de quelques Serpuliens (Annélides polychètes) du lac de Tunis (Laboratory fixation of larvae of some Serpulids, Polychaete annelids, from Tunis lake)

Notes on the conditions for & course of development.

FAO:glk

M

Nodoloe, C. (1958) 59-0041  
Rev.Trav.Off.Pêches marit., 22:121-34  
 Biologie et pêche du maquereau (Biology and fishery of the mackerel)

Resumé of established knowledge of the biology; report of results of current work on age & growth, racial characters, age composition of stocks, localisation of concentrations, migrations; & conclusions on the orientation of future research.

FAO:glk

M

Bernard, F. (1958) 59-0039  
C.R.Acad.Sci., Paris, 247:2045-8  
 Comparaison de la fertilité élémentaire entre l'Atlantique tropical africain, l'Océan Indien et la Méditerranée (Comparison of the elementary fertility of the African tropical Atlantic, the Indian Ocean and the Mediterranean)

Comparison in terms of C<sub>14</sub> assimilation & of numbers of unicellular organisms.

FAO:glk

M

Croac'h, P. & J. Le Dantec (1958) 59-0042  
Rev.Trav.Off.Pêches marit., 22:135-45  
 Croissance et composition de la coquille de Gryphaea angulata Lmk. élevé sur parc de plein eau après enrichissement phosphaté du sol (Growth and composition of the scallop Gryphaea angulata Lmk. raised in a deepwater park after phosphate enrichment of the bottom)

Data on yield & proximate composition of the scallops - treated & control.

FAO:glk

MF



Le Calvez, Y. (1958) 59-0043  
Rev.Trav.Off.Pêches marit., 22:147-209  
 Les foraminifères de la mer Celtique  
 (Foraminifera from the Celtic Sea)

Detailed systematic list with notes on origin of specimens of each sp., & description of some, & followed by ecological notes concerning detrital & sand-mud bottoms; alphabetic index of spp. - by spp. & genera -, station list, ill.

FAO:glk

M

Hickling, C.F. (1958) 59-0046  
Advanc.Sci., Lond., 14:317-22  
 Fisheries development in the colonial territories

Narrative of fishery development with brief account of progress achieved.

FAO:efa

MF

Furnestin, M.-L. (1958) 59-0044  
Rev.Trav.Off.Pêches marit., 22:211-23  
 Les variations morphologiques de Sagitta setosa Müller et ses rapports avec deux espèces voisines (Morphological variations of Sagitta setosa Müller and its relations with neighbouring species)

Examination of the taxonomic significance of variations in size & in length of caudal segment & of ovaries, & comparison with S. euxina Moltschanoff & S. friderici Ritter-Zahony.

FAO:glk

M

Miyadi, D. & S. Hayami (1958) 59-0047  
Rec.oceanogr.Wks Jap., 12(2):1-2  
 A study on the productivity of the Tanabe Bay (Part I)

Introduction to papers nos. 590048 to 590074 inclusive, describing briefly the objectives & principal lines of research.

FAO:glk

M

Levi, C. & J. Vacelet (1958) 59-0045  
Rev.Trav.Off.Pêches marit., 22:225-46  
 Sponges récoltées dans l'Atlantique oriental par le PRÉSIDENT-THÉODORE-  
 TISSIER (1955-1956) (Sponges collected in the eastern Atlantic by the PRÉSIDENT THÉODORE TISSIER, 1955-1956)

List with description of each sp.

FAO:glk

M

Fuse, S., I. Yamazi & H. Harada (1958) 59-0048  
Rec.oceanogr.Wks Jap., 12(2):3-9  
 A study on the productivity of the Tanabe Bay (Part I). I. Oceanographic conditions of the Tanabe Bay. Results of the survey in the autumn of 1956

Graphs relating to water colour, transparency, temperature, chlorinity, silicates & phosphates, & discussion of vertical stability of bay water mass.

FAO:glk

M



Nakamura, A. (1958) 59-0049  
Rec.oceanogr.Wks Jap., 12(2):10-4  
 A study on the productivity of the  
 Tanabe Bay (Part I). II. Tidal  
 currents in the Tanabe Bay

Graphs showing tidal velocities as  
 measured at various stations at  
 various points on the marigram.

FAO:glk

M

Okuno, R., S. Fuse 59-0052  
 & E. Harada (1958)  
Rec.oceanogr.Wks Jap., 12(2):36-42  
 A study on the productivity of the  
 Tanabe Bay (Part I). V. Distribution  
 and abundance of rocky reef fishes in  
 the Tanabe Bay

List of the main rocky reef fishes &  
 their abundance at each station, with  
 tabulation of environmental conditions  
 at each diving station.

FAO:glk

M

Hayami, S., Y. Fukuo 59-0050  
 & D. Yoda (1958)  
Rec.oceanogr.Wks Jap., 12(2):15-24  
 A study on the productivity of the  
 Tanabe Bay (Part I). III. On the  
 exchange of water and the productivity  
 of a bay with special reference to the  
 Tanabe Bay

Examination of the relation between  $Cl$   
 &  $\Delta \sigma_0$  as a measure of the relation  
 between the movement of the seawater  
 & biological productivity.

FAO:glk

M

Habe, T. (1958) 59-0053  
Rec.oceanogr.Wks Jap., 12(2):43-9  
 A study on the productivity of the  
 Tanabe Bay (Part I). VI. Zonal  
 arrangement of intertidal benthic  
 animals in the Tanabe Bay

Tabulations showing the zonal  
 arrangement of reef bottom animals &  
 of intertidal animals on sand & mud.

FAO:glk

M

Yamazi, I. (1958) 59-0051  
Rec.oceanogr.Wks Jap., 12(2):25-35  
 A study on the productivity of the  
 Tanabe Bay (Part I). IV. On some  
 plankton indicating the water exchange  
 in the Tanabe Bay

Examination of regional distribution of  
 plankton in this Bay & correlation of  
 the variation of plankton composition  
 & density with hydrographic & topo-  
 graphic conditions. Analysis of water  
 movement on the basis of regional  
 distribution of plankton communities, &  
 identification of local autogenic &  
 alogenic plankters as indicators.

FAO:glk

M

Nakano, M. & S. Unoki (1958) 59-0054  
Rec.oceanogr.Wks Jap., 12(2):57-67  
 The ocean waves and the secondary  
 undulations of tides on the southern  
 coast of Kii peninsula

Tabulations of the frequency  
 distribution - as percentage - of wave  
 height, mean wave height, & maximum of  
 wave scale number observed, for wind  
 waves, directions of those waves, mean  
 periods of wind waves & swell,  
 frequency distribution of those periods  
 & of the height & direction of swell.

FAO:glk

M

Uda, M. (1958) 59-0055  
Rec.oceanogr.Wks Jap., 12(2):68-77  
A note on the hydrographical conditions  
of Kuroshio and its northern boundary  
in 1956

Tabulations of temperature, chlorinity  
& other oceanographic data.

FAO:glk

M

Ichio, T. (1958) 59-0058  
Rec.oceanogr.Wks Jap., 12(2):90-100  
On the decay of a cyclonic vortex in  
the southern sea of Honshu (Hydrography  
of the Kuroshio in relation to its  
productivity. II)

Description of the process of decay of  
the vortex with some explanation of  
the physical process of such change  
under the oceanographic conditions  
prevailing.

FAO:glk

M

Shoji, D. & al. (1958) 59-0056  
Rec.oceanogr.Wks Jap., 12(2):78-84  
On the "Shiomo" at the boundary zone  
of the Kuroshio and the coastal waters  
off Shionomisaki

Velocity & surface temperature at the  
northern boundary of the Kuroshio  
off Shionomisaki, observed by GLK, & a  
sensitive recording thermometer.

FAO:glk

M

Nishizawa, S. & 59-0059  
N. Inoue (1958)  
Rec.oceanogr.Wks Jap., 12(2):101-15  
Turbidity distribution and its relation  
to some oceanographical factors in the  
eastern China Sea in the late summer of  
1956

The turbidity distribution in the  
eastern China Sea in the late summer  
of 1956 was observed by a turbidity  
meter of simple structure. Several  
water masses were distinctly analysed  
by the extinction coefficient observed.

FAO:glk

M

Yoshida, K. (1958) 59-0057  
Rec.oceanogr.Wks Jap., 12(2):85-9  
Coastal upwelling, coastal currents,  
and their variations

Summary of theoretical studies of time  
changes in oceanic movements & their  
dependence upon scales of the phenomena  
concerned.

FAO:glk

M

Sasaki, T. & al. (1958) 59-0060  
Rec.oceanogr.Wks Jap., 12(2):116-9  
A submersible turbidimeter

Explanation of the structure, method  
of use of the apparatus, & account of  
an example of using it.

FAO:glk

M

Sasaki, T. & al. (1958) 59-0061  
Rec.oceanogr.Wks Jap., 12(2):120-7  
Spectral energy distribution of  
submarine daylight off Kii peninsula -  
In relation to the investigation of  
oceanic productivity

Tabulation of data.

FAO:glk

M

Ishibashi, M. & al. (1958) 59-0064  
Rec.oceanogr.Wks Jap., 12(2):153-66  
Studies on the utilization of the  
shallow-water deposits (Continued). On  
the copper content of the shallow-water  
deposits at the seacoasts of the Kii  
peninsula and the other districts

Tabulations showing locality from which  
samples were taken, type of deposit &  
copper content & tabulation for some  
samples showing locality, geological  
structures, type of deposit, copper  
content & content of other minerals.

FAO:glk

M

Nakai, Z. (1958) 59-0062  
Rec.oceanogr.Wks Jap., 12(2):128-41  
Fluctuations in the fishery for young  
sardine off Shichiri-Mihama, Kii  
peninsula. One of the data relevant to  
fluctuations of the sardine stock in  
Japanese waters

Analysis of statistics & of reports  
from fishermen concerning the migrations  
& capture of Sardinops melanosticta  
Temminck & Schlegel.

FAO:glk

M

Hanoda, Y. (1958) 59-0065  
Rec.oceanogr.Wks Jap., 12(2):171-4  
Studies on the luminous organisms  
found in waters adjacent to the Pacific  
coast of Japan. Report II

Brief notes on new types of luminous  
organisms in fish discovered. First  
record of observation of luminousness  
among the lamollibranchs in Japan & on  
a newly discovered luminous fish of the  
family Paralopididae.

FAO:glk

M

Yamamoto, H. (1958) 59-0063  
Rec.oceanogr.Wks Jap., 12(2):145-52  
The variation of hydrographic  
condition in Urado Bay

Tabulation of data on temperature &  
chlorinity, considered in relation to  
run-off from the land.

FAO:glk

M

Abo, T. (1958) 59-0066  
Rec.oceanogr.Wks Jap., 12(2):175-80  
Two new subspecies of fishes from the  
path of the "Kuro-shiwo"

Description of the holotype Decapterus  
kurooides aka-adsii, new subsp., with  
discussion of relationships & proposal  
of new name, erroneously recorded under  
the name Balistes nyctorias Jordan &  
Evermann.

FAO:glk

M



Yamada, Y. (1958) 59-0067  
Rec.oceanogr.Wks Jap., 12(2):181-6  
A preliminary list of the marine algae  
from the shores of the Kii peninsula

Contents as per title.

Nasu, N. & Y. Saito (1958) 59-0070  
Rec.oceanogr.Wks Jap., 12(2):205-10  
Shelf sediments of the Gulf of Kumano,  
Japan. I. Studies of six samples off  
the central coast of the southeastern  
Kii peninsula (Preliminary report)

Description of the sediments & list of  
organisms.

FAO:glk

M

FAO:glk

M

Kimata, M. & al. (1958) 59-0068  
Rec.oceanogr.Wks Jap., 12(2):187-99  
The formation of sulfide by sulfate-  
reducing bacteria in the estuarine zone  
of the river receiving a large quantity  
of organic drainage

To elucidate the mechanism of sulfide  
formation in river zone receiving  
industrial & municipal effluents rich  
in organic matter, the distribution of  
sulfate reducing bacteria, sulfides,  
sulfates, chlorinity, organic matter,  
etc., in the water & bottom mud was  
determined & the factors participating  
in sulfide formation were studied.

FAO:glk

M

Hatai, K. & H. Mii (1958) 59-0071  
Rec.oceanogr.Wks Jap., 12(2):211-5  
A weathering and marine erosion  
product observed along the coast of  
Mie Prefecture, Japan

Notes on tide-pools developed in  
granite-porphry, impure limestone  
& coarse-grained sandstone.

FAO:glk

M

Takahashi, K. (1958) 59-0069  
Rec.oceanogr.Wks Jap., 12(2):200-4  
Notes on the polychaetous annelid of  
Kii peninsula

An investigation to estimate the  
damages caused by boring polychaetes  
on pearl shells & cultivated oysters.

FAO:glk

M

Hatai, K. & S. Hayasaka (1958) 59-0072  
Rec.oceanogr.Wks Jap., 12(2):217-20  
Tongallen from the Atsumi peninsula,  
Aichi Prefecture, Japan

The process of formation of Tongallen  
or clay galls was observed & described,  
& the occurrence of these forms in  
sediments is referred to.

FAO:glk

M

Hatai, K. & H. Mii (1958) 59-0073  
Rec.oceanogr.Wks Jap., 12(2):221-5  
An erosion feature observed in  
Wakayama and Shizuoka Prefectures,  
Japan

Description of certain kinds of marine  
potholes developed at the foot of  
notches in cliffs & discussion of  
weather & erosion processes as  
causative agents.

FAO:glk

M

Cazaux, C. (1958) 59-0076  
C.R.Acad.Sci., Paris, 247:2195-7  
Facteurs de la morphogénèse chez un  
hydraire polymorphe, Hydractinia  
echinata Flem. (Factors in the  
morphogenesis of a polymorph hydroid,  
Hydractinia echinata Flem.)

Association of the sp. with  
gastropods & crabs.

FAO:sjh

M

Sugawara, K. 59-0074  
& N. Kawasaki (1958)  
Rec.oceanogr.Wks Jap., 12(2):227-42  
Strontium and calcium distribution in  
Western Pacific, Indian and Antarctic  
oceans

Distribution of these minerals in  
surface waters, the vertical  
distribution of strontium, factors  
causing uneven distribution of  
strontium, the role of discharge of  
waters from the land, the formation of  
calcareous shells & deposits &  
preferential escape of strontium from  
the sea into the air.

FAO:glk

M

Frentz, R. (1958) 59-0077  
C.R.Acad.Sci., Paris, 247:2204-6  
Nature des fractions protéiques  
isolées par électrophorèse de zone  
dans le sérum de Carcinus maenas Leach  
(Nature of protoic fractions isolated  
by zonal electrophoresis of the serum  
of Carcinus maenas Leach)

Contents as per title.

FAO:sjh

M

Gostan, G. (1958) 59-0075  
C.R.Acad.Sci., Paris, 247:2193-5  
Corrélation entre la croissance de la  
coquille d'un prosobranche (Rissoa  
parva Da Costa) et le développement des  
organes internes (Correlation  
between the growth of the shell of a  
prosobranch Rissoa parva Da Costa and  
the development of internal organs)

A note on morphology of the sp.

FAO:sjh

M

Kanwisher, J.W. (1958) 59-0078  
Advanc.Sci., Lond., 15:278  
Freezing problems of marine life

Summary of paper delivered to British  
Association for the Advancement of  
Science, Glasgow, Aug. 27-Sept. 3,  
1958.

:sjh

M

Yongo, C.M. (1958) 59-0079  
Advanc.Sci., Lond., 15:279  
Form and biology of coral reefs

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958.

FAO:sjh

M

Robertson, J.D. (1958) 59-0082  
Advanc.Sci., Lond., 15:279  
The origin of vertebrates - marine or freshwater?

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958.

FAO:sjh

MF

Shaw, J. (1958) 59-0080  
Advanc.Sci., Lond., 15:279  
Sodium balance in some decapod crustacea

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958.

FAO:sjh

MF

Pearsall, W.H. (1958) 59-0083  
Advanc.Sci., Lond., 15:280  
The history of the Freshwater Biological Association

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958.

FAO:sjh

F

Morris, R. (1958) 59-0081  
Advanc.Sci., Lond., 15:279  
Aspects of migration in lampreys

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958. Lampetra fluviatilis undergoes a spawning migration from sea water or brackish water into European rivers. An account of some of the changes which take place in the mechanism of salt & water balance to enable the animal to live in such diverse environments.

FAO:sjh

MF

Mortimer, C.H. (1958) 59-0084  
Advanc.Sci., Lond., 15:280  
The physics and chemistry of lakes

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958. An account of the contributions to the above subject by members of the staff of the Freshwater Biological Association.

FAO:sjh

F



Lund, J.W.G. (1958) 59-0085  
Advanc.Sci., Lond., 15:280  
Investigations on the algae of  
Windermore

Summary of paper delivered to British  
Association for the Advancement of  
Science, Glasgow, Aug. 27-Sept. 3,  
1958.

FAO:sjh

F

Boodham, G.E. (1958) 59-0088  
Advanc.Sci., Lond., 15:280  
Composition of the lamollibranch shell

Summary of paper delivered to British  
Association for the Advancement of  
Science, Glasgow, Aug. 27-Sept. 3,  
1958.

FAO:sjh

MF

Lo Cron, E.D. (1958) 59-0086  
Advanc.Sci., Lond., 15:280  
Experiments with fish populations  
in Windermore

Summary of paper delivered to British  
Association for the Advancement of  
Science, Glasgow, Aug. 27-Sept. 3,  
1958.

FAO:sjh

F

Hunter, W.D. Russell (1958) 59-0089  
Advanc.Sci., Lond., 15:281  
Evolution of gastropoda in freshwater

Summary of paper delivered to British  
Association for the Advancement of  
Science, Glasgow, Aug. 27-Sept. 3,  
1958.

FAO:sjh

F

Owen, G. (1958) 59-0087  
Advanc.Sci., Lond., 15:280  
Form and function in lamollibranchs

Summary of paper delivered to British  
Association for the Advancement of  
Science, Glasgow, Aug. 27-Sept. 3,  
1958.

FAO:sjh

MF

Henderson, A.E. (1958) 59-0090  
Advanc.Sci., Lond., 15:281  
Some adaptations of freshwater snails

Summary of paper delivered to British  
Association for the Advancement of  
Science, Glasgow, Aug. 27-Sept. 3,  
1958.

FAO:sjh

F

Gorric, R. MacLagan (1958) 59-0091  
Advanc.Sci., Lond., 15:282  
The need for river-flow studies

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958.

FAO:sjh

F

Prossoy, B.G. (1958) 59-0094  
Advanc.Sci., Lond., 15:286  
Marine radio navigational aids

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958. A discussion of the problems of marine navigation & a description of radio position-fixing systems.

FAO:sjh

M

Wolf, P.O. (1958) 59-0092  
Advanc.Sci., Lond., 15:282  
Measuring river flow and estimating floods

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958.

FAO sjh

F

Conway, E. (1958) 59-0095  
Advanc.Sci., Lond., 15:296  
Marine algae in Scotland

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958. Accumulating evidence suggests that many northern shores have affinities with coasts of the North Atlantic islands & mainland rather than with the southern parts of the mainland of Great Britain.

FAO:sjh

M

Conn, J.F.C. (1958) 59-0093  
Advanc.Sci., Lond., 15:285  
Developments in naval architecture

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958. A review of progress in knowledge of the resistance, propulsion, motion, vibration & strength of ships. To appear in Engineering.

FAO:sjh

M

Mortimer, C.H. (1958) 59-0096  
Advanc.Sci., Lond., 15:302  
Marine biology at Millport

Summary of paper delivered to British Association for the Advancement of Science, Glasgow, Aug. 27-Sept. 3, 1958. A general account of the various lines of research in progress & of the laboratory, research vessels & equipment.

FAO:sjh

M

Moore, P.G. (1958) 59-0097  
J.R.statist.Soc., 20B(1):187-92  
Interval analysis and the logarithmic transformation.

Intervals between random events have an exponential distribution. The use of the logarithm of the intervals leads to possible tests for homogeneity that are independent of the average interval. This paper considers the distribution of the logarithm & discusses possible approximations.

FAO:sjh

G

Cridland, A.A. (1958) 59-0100  
New Phytol., 57:285-7  
A note on two freshwater dinoflagellates

A new sp. of dinoflagellates, Gymnodinium hippocastanum, is described. Its resting spore is compared with Dinastrium sexangulare Pascher. Tetradinium chiastosporum Harris is recombined as Gymnodinium chiastosporum Harris.

FAO:tl

F

Bharucha-Reid, A.T. (1958) 59-0098  
Sankhya, 19(1-2):1-14  
Comparison of populations whose growth can be described by a branching stochastic process - with special reference to a problem in epidemiology

Theory of methods of comparing birth & death rates.

FAO:sjh

G

Crisp, D.J. & C.P. Spencer (1958) 59-0101  
Proc.roy.Soc.Edinb., 149B:278-99  
The control of the hatching process in barnacles

Account of formation of hatching substance in barnacle tissue & secretion into mantle cavity in response to feeding; with description of its occurrence, mode of action, & certain physical & chemical properties.

FAO:efa

M

Venkataraman, G.S. (1958) 59-0099  
Proc.nat.Inst.Sci.India, 24B:229-32  
On the structure and life-history of a new species of Anabaena (A. randhawae sp. nov.)

Morphology, germination of akinetes & systematics of A. randhawae sp. nov., free floating in rainwater puddles.

TJJ:tjj

F

MacRobbie, A.C. & J. Dainty (1958) 59-0102  
Physiol.Plant., 11:782-801  
Sodium and potassium distribution and transport in the seaweed Rhodomenia palmata (L.) Grev.

Measurement of the rates of exchange of sodium & potassium between the seaweed & the surrounding sea water under variety of conditions by means of radioactive isotopes.

FAO:tl

M



California. Department 59-0103  
of Fish & Game (1958)  
Sacramento, 72 p.  
Fish Bulletin no. 106

Group of 4 papers - 590104 to 590107.

WAD:glk

M

Fitch, J.D. (1958) 59-0106  
Fish Bull., Sacramento, (106):19-26  
Age composition of the southern  
California catch of Pacific mackerel  
for the two seasons, 1955-56 and  
1956-57

Contents as per title.

WAD:glk

M

Felin, F.E. & al. (1958) 59-0104  
Fish Bull., Sacramento, (106):7-12  
Age and length composition of the  
sardine catch off the Pacific coast of  
the United States and Mexico in 1955-56

Contents as per title.

WAD:glk

M

Miller, D.J. 59-0107  
& R.S. Wolf (1958)  
Fish Bull., Sacramento, (106):27-72  
Age and length composition of the  
northern anchovy catch off the coast  
of California in 1954-55, 1955-56 and  
1956-57

Contents as per title.

WAD:glk

M

Wolf, R.S. & al. (1958) 59-0105  
Fish Bull., Sacramento, (106):13-7  
Age and length composition of the  
sardine catch off the Pacific coast of  
the United States and Mexico in 1956-57

Contents as per title.

WAD:glk

M

Monstad, M. (1958) 59-0108  
Aarsberetn. Norg. Fisk., (7):104 p.  
Fiskerilitteratur 1954 (Fisheries  
literature 1954)

Bibliography, arranged by subject  
matter.

GLK:tl

MF

Myers, G.S. (1958) 59-0109  
Stanf.ichthyol.Bull., 7:27-30  
Trends in the evolution of teleostean fishes

Discussion of trends toward loss or simplification - in the jaw teeth & vomerine teeth, & in the pseudo-branchiae - of cyprinodont & characid evolution, of size trends in the teleosts, & of shifts in the relative position of the jaw suspensorium.

HR:glk

MF

Cohen, D.M. (1958) 59-0112  
Stanf.ichthyol.Bull., 7:47-52  
Bathylchnops exilis, a new genus and species of argentinoid fish from the North Pacific

Description of Bathylchnops gen. nov., & of B. exilis sp. nov.

HR:glk

M

Myers, G.S. (1958) 59-0110  
Stanf.ichthyol.Bull., 7:31-42  
Nomenclator of certain terms used for higher categories of fishes

Beginning of an attempt to trace the usage of the better known terms applied to the higher groups of fishes, especially orders; with an examination of the Prianthid genus Pristigenys.

HR:glk

MF

Cohen, D.M. (1958) 59-0113  
Stanf.ichthyol.Bull., 7:52-7  
Nansenia candida, a new species of argentinoid fish from the North Pacific, with notes on other species of Nansenia

Description of Nansenia candida sp. nov., with notes on N. oblita Facciola, 1887, N. schmitti Fowler, 1934, N. groenlandica Reinhardt, 1841, N. macrolepis Gilchrist, 1922, N. ardesiaca Jordan & Thompson, 1914 & N. tanakai Schmidt, 1918.

HR:glk

M

Dahl, G. (1958) 59-0111  
Stanf.ichthyol.Bull., 7:42-6  
Two new annual cyprinodont fishes from northern Colombia

Description, with detailed measurements, of Austrofundulus myersi sp. nov. & Rachovia spendons sp. nov.

HR:glk

F

Bradbury, M.G. & 59-0114  
D.M. Cohen (1958)  
Stanf.ichthyol.Bull., 7:57-9  
An illustration and a new record of the North Pacific bathypelagic fish Macropinna microstoma

Contents as per title.

HR:glk

M

Stephen, A.C. (1958) 59-0115

Bull. Res. Coun. Israel, 7B:129-36

The Sipunculids of Haifa Bay and neighbourhood

List of spp. taken - 1 recorded for the first time -, frequency & relative abundance, detailed distribution & notes on spp.; size of the population.

FAO:glk

M

Peres, J.M. (1958) 59-0118

Bull. Res. Coun. Israel, 7B:151-64

Ascidies de la baie de Haifa collectées par E. Gottlieb (Ascidians of Haifa Bay collected by E. Gottlieb). En

List of spp.; notes on form & origin; discussion of the classification of the forms in the different families & of the chief characteristics of group from Israeli waters.

FAO:glk

M

Stock, J.H. (1958) 59-0116

Bull. Res. Coun. Israel, 7B:137-42

Pycnogonida from the Mediterranean coast of Israel

This is the first report on Pycnogonida from Israel's Mediterranean coast. The 5 spp. listed are: Ammothella longio-culata Faraggiana, Achelia cchinata Hodgo, Tanystylum orbiculare Wilson, Anoplodactylus saxatilis Calman; & A. portus Calman.

FAO:glk

M

Reich, K. & M. Rotberg (1958) 59-0119

Bull. Res. Coun. Israel, 7B:199-202

Some factors influencing the formation of toxin poisonous to fish in bacteria-free cultures of Prymnosium

An attempt has been made to enhance the formation by Prymnosium parvum of toxin poisonous to fish by varying the nutritive solution in bacteria-free cultures.

FAO:glk

MF

Peres, J.M. (1958) 59-0117

Bull. Res. Coun. Israel, 7B:143-50

Ascidies récoltées sur les côtes méditerranéennes d'Israel (Ascidians collected on the Mediterranean coast of Israel). En

List of spp. with notes on determination.

FAO:glk

M

Rotberg, M. (1958) 59-0120

Bull. Res. Coun. Israel, 7B:208-10

The thiamine requirements of Prymnosium parvum (Chrysomonadina)

Experimental data on growth in axenic cultures.

FAO:glk

MF



Picard, J. (1958) 59-0121  
Bull. Sea Fish. Res. Sta., Haifa, (15):1-3  
 Notes sur une collection d'hydroides  
 provenant des côtes méditerranéennes  
 d'Israël (Notes on a collection of  
 hydroids from the Mediterranean coast  
 of Israel)

List of spp., with brief biological  
 notes.

SJH:sjh

M

Stock, J.H. (1958) 59-0124  
Bull. Sea Fish. Res. Sta., Haifa, (16):3-5  
 Contributions to the knowledge of the  
 Red Sea. 5. The Pycnogonida of the  
 Erythrean and of the Mediterranean  
 coasts of Israel

List of spp. collected, locality &  
 biological notes.

SJH:sjh

M

Forest, J. & D. Guinet (1958) 59-0122  
Bull. Sea Fish. Res. Sta., Haifa, (15):4-16  
 Sur une collection de crustacés  
 décapodes des côtes d'Israël (On a  
 collection of decapod crustaceans from  
 the Israel coast)

Ill. list of spp., with biological  
 notes.

SJH:sjh

M

Furnostin, M.-L. (1958) 59-0125  
Bull. Sea Fish. Res. Sta., Haifa, (16):6-14  
 Contributions to the knowledge of the  
 Red Sea. 6. Quelques échantillons de  
 zooplancton du Golfe d'Eylath (Akaba)  
 (Some samples of zooplankton from the  
 Gulf of Eylath, Aqaba)

Spp. composition of samples taken at  
 various times 1955-57, with special  
 reference to Sagitta.

SJH:sjh

M

Komarovsky, B. (1958) 59-0123  
Bull. Sea Fish. Res. Sta., Haifa, (16):1-2  
 Contributions to the knowledge of the  
 Red Sea. 4. The occurrence of Evadne  
tergestina Claus in the summer plankton  
 of the Gulf of Eylath (Aqaba)

Ill. note with biology of this  
 cladoceran.

SJH:sjh

M

Fauvel, P. (1958) 59-0126  
Bull. Sea Fish. Res. Sta., Haifa, (16):15-22  
 Contributions to the knowledge of the  
 Red Sea. 7. Sur quelques annélides  
 polychètes du Golfe d'Akaba. II  
 (On some polychaete annelids from the  
 Gulf of Aqaba. II)

Ill. list of spp., with biological  
 notes.

SJH:sjh

M

Holthuis, L.B. (1958) 59-0127  
Bull.Sea Fish.Res.Sta.,Haifa, (17):1-40  
 Contributions to the knowledge of the  
 Red Sea. 8. Crustacea decapoda from  
 the northern Red Sea (Gulf of Aqaba and  
 Sinai peninsula). I. Macrura

Ill. list of spp., notes on morphology,  
 distribution, & other biological  
 aspects.

SJH:sjh

M

Zonkevich, B.A. (1958) 59-0130  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 33:5-75

Promysel kitov v Antarktike v 1931-  
 1955 gg. i soobrazheniia o sostoianii  
 ikh zapasov (Whaling in the  
 Antarctic during 1931-1955 &  
 considerations on the state of whale  
 reserves)

Describes whaling grounds & catches  
 with regard to spp., size, blubber  
 yields. Concludes on the impending  
 danger to blue & humpback whale stocks  
 & stresses the need for stricter  
 conservation measures with regard both  
 to seasons & areas.

FAO:go

M

Holthuis, L.B. (1958) 59-0128  
Bull.Sea Fish.Res.Sta.,Haifa, (17):41-54  
 Contributions to the knowledge of the  
 Red Sea. 9. Crustacea decapoda from the  
 northern Red Sea (Gulf of Aqaba and  
 Sinai peninsula). II. Hippidea and  
 Brachyura (Dromiacea, Oxystomata, and  
 Grapsoidea)

Ill. list of spp., notes on morphology,  
 distribution, & other biological  
 aspects.

SJH:sjh

M

Arseniev, V.A. (1958) 59-0131  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.

Okeanogr., 33:76-94  
 Razmeshchenie kitov v Atlanticheskoy  
 sektore Antarktiki (Distribution of  
 whales in the Atlantic sector of the  
 Antarctic)

States that migrations of Mystacoceti  
 are determined by plankton behaviour  
 ruled by seasonal hydro-meteorological  
 conditions. Describes distribution &  
 behaviour of whales in the Antarctic  
 observed by the SLAVA fleet during 4  
 whaling seasons, 1947-1950.

FAO:go

M

Anonymous (1958) 59-0129  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.

Okeanogr., 33:3  
 Biologiya i promysel morskikh mleko-  
 pitaiushchikh - Predislovie (Marine  
 mammalia biology and whaling - Preface)

States that 8 VNIRO scientists on board  
 the SLAVA whalers are permanently at  
 work in the Antarctic; special emphasis  
 is placed on studies of whales &  
 whaling. This symposium is considered  
 to be a response to the wishes of the  
 International Whaling Commission with  
 regard to biostatistical data.

FAO:go

M

Arseniev, V.A. (1958) 59-0132  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.

Okeanogr., 33:96-100  
 Raspredelenie kormovykh piaten i  
 skoplenii usatykh kitov v Antarktike  
 (Distribution of live-feed patches and  
 concentrations of baleen whales in the  
 Antarctic)

Describes observations made by the  
 SLAVA whaling fleet operating in the  
 Atlantic sector of the Antarctic.  
 States that herding of Mystacoceti  
 coincides with the presence of large  
 Euphasiidae concentrations. Explains

59-0132  
(Card 2)  
apparent exceptions to this rule by  
short duration of observations or  
low visibility in water.

FAO:go

M

Zemskii, V.A. (1958) 59-0136  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 33:105-60  
Opredeleenie sledov zheltykh tel u  
finvala Antarktiki. (Determining  
traces of corpora lutea in Antarctic  
finback whales)

Examines the possibility of determining  
whale reproductive capacity by  
distinguishing & studying peculiar  
traces of pregnancy & ovulation  
corpora lutea on ovaries of captured  
specimens. Describes methods, available  
material & data obtained during  
operations of the SLAVA whaling fleet

Arseniev, V.A. (1958) 59-0134  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 33:101-4  
Sootnoshenie mezhdru kolichestvom  
zamechennykh i dobytykh kitov v  
Antarkticheskom promysle  
(Proportion of whales seen and  
captured by whalers in the Antarctic)

Refers to data on the present state of  
whale reserves & to adopted conservation  
measures. States that Russian whalers  
captured, in January 1952 - basic  
whaling month -, an average 11-12% of  
whales they met, which is dangerously

59-0136  
(Card 2)  
in 1948-1950. Stresses need of  
further research.

FAO:go

M

59-0134  
(Card 2)  
close to the reproduction capacity.  
Stresses need for thorough studies  
on the latter.

FAO:go

M

Ivashin, M.V. (1958) 59-0138  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 3:161-72  
Metodika opredeleniia sledov zheltykh  
tel beremennosti i ovulatsii u gorbatogo  
kita (Methods for determining traces  
of pregnancy & ovulation corpora lutea  
in humpback whales)

Refers to previous attempts to  
distinguish corpora lutea due either to  
pregnancy or ovulation. Describes  
methods applied & results of studies  
carried out on board the SLAVA fleet in  
1951-53. States data on the number of  
pregnancy & ovulations noted on  
captured specimens.

FAO:go

M



Zemskii, V.A. (1958) 59-0139  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 33:173-8  
 Rost novorozhdennykh finvalov v period  
 molochnogo pitaniia (Growth of  
 newborn finback whales during the  
 lactation period)

Examines the lactation system of  
 whales. States available data on  
 fattiness of whale-milk, size of  
 sucklings, proportion of suckling  
 females among examined specimens in  
 different months.

FAO:go

M

Tarasovich, M.N. (1958) 59-0142  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 33:199-218  
 Sravnenie sostava stad vodnykh i  
 nazomnykh mlekopitaiushchikh  
 (Comparison between herd composition  
 of aquatic & terrestrial mammalia)

Attempt to disclose the laws which  
 rule the formation of herds of  
 mammals as a contribution to a  
 regulated commercial utilization.  
 Describes the seasonal behaviour of  
 dolphins, whales & pinnipedia, with  
 regard to feeding & reproduction, sex  
 & age composition of herds & migrations.  
 FAO:go M

Zemskii, V.A. (1958) 59-0140  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 33:179-85  
 Morfobiologicheskoe prispособleniia  
 novorozhdennykh finvalov Antarktiki  
 (Morpho-biological adaptations of  
 newborn Antarctic finback whales)

Examines available data on size &  
 development of finback whale fetuses.  
 States that the formation of adult  
 animal proportions at the embryonic  
 stage denotes adaptation of newborn  
 whales to environmental conditions.

FAO:go

M

Moore, A.R. (1957) 59-0143  
J.exp.Zool., 135:75-9  
 Biparental inheritance in an inter-  
 ordinal cross of sea urchin and sand  
 dollar

Discussion of evidence of inheritance  
 from both parents in body shape &  
 skeletal form of plutei from this cross,  
 & of conflict between the 2 types of  
 genetically determined scleroblastic  
 patterns as revealed by considerable  
 irregularity in skeletal structure.

GLK:glk

M

Ivashin, M.V. (1958) 59-0141  
Trud.vsesoiuz.n.-i Inst.Khoziaistv.  
Okeanogr., 3:186-90  
 Obrastanie finvalov diatomovymi  
 vodorosliami v Antarktike (Over-  
 growth of finback whales by Diatoms  
 in the Antarctic)

Tentative establishment of the  
 relation between diatom fouling of  
 whales' bodies & their fatness, sex &  
 size. States available data &  
 concludes that whales covered by  
 diatoms, discernible at sight, are as  
 a rule commercially more valuable.

FAO:go

M

Harrington, R.W. (1957) 59-0144  
J.exp.Zool., 135:529-53  
 Sexual photoperiodicity of the  
 cyprinid fish Notropis bifrenatus  
 (Cope), in relation to the phases of  
 its annual reproductive cycle

Last paper of a series to identify &  
 delimit phases in the internal sexual  
 rhythm of a fish with reproductive  
 cycle influenced by change in day-  
 length; examines temporal relations  
 between onset of spawning & the  
 quantified progress of oögenesis &  
 spermatogenesis.

GLK:glk

F

Armitago, K.B. (1958) 59-0145

Ecology, 39:571-80

Ecology of the riffle insects of the  
Firehole river, Wyoming

The Gardiner river & Lava Creek were  
surveyed to gather more information  
about the various factors influencing  
the ecology of the bottom-fauna. The  
average yearly standing-crop of the  
Firehole river & other Yellowstone Park  
streams was positively correlated with  
temperature & bicarbonate alkalinity.

GLK:glk

F

Sexton, O.J. (1958)

59-0148

Ecology, 39:751-4

The relationship between the habitat  
preferences of hatchling Chelydra  
serpentina & the physical structure of  
the vegetation

Contents as per title.

GLK:glk

F

Barlow, G.W. (1958) 59-0146

Ecology, 39:580-7

Daily movements of desert pupfish,  
Cyprinodon macularius, in shore pools  
of the Salton sea, California

Description of the diurnal heat regime  
& of the diurnal movement pattern of  
these fish.

GLK:glk

MF

Tavolga, W.N. (1958)

59-0149

Ecology, 39:759-60

Underwater sounds produced by males of  
the blennid fish, Chasmodes bosquianus

Behaviouristic significance of the  
sounds, frequency range, amplitude,  
duration, intensity, repetition,  
associated body movements.

GLK:glk

M

Proctor, V.W. (1958) 59-0147

Ecology, 39:634-45

The growth of Basiacladia on turtles

Experimental cultivation of the algae;  
effect of certain behavioural  
tendencies of the turtles on the  
growth of the algae; taxonomy of the  
algae.

GLK:glk

F

Phillips, R.C. (1958)

59-0150

Ecology, 39:765-6

Floating communities of algae in a  
North Carolina pond

Composition of the community.

GLK:glk

F

Bray, J.R. (1958) 59-0151  
Ecology, 39:770-6  
Notes toward an ecologic theory

Some areas of biologic theory & of general scientific theory are indicated which may contribute to the theoretic background of ecology. The general concepts, order & complexity, are examined & consequences of their ecologic application noted.

GLK:glk

MF

Coots, M. (1958) 59-0154  
Adm.Rep.Inl.Fish.Calif., (4):6 p.  
Shasta river king salmon count, 1957, California

Records counts of Oncorhynchus tshawytscha, O. kisutch & Salmo gairdnerii gairdnerii at a new location that provides an almost complete count; compares with counts made since 1930.

WAD:wad

MF

Watt, K.B.F. (1958) 59-0152  
Ecology, 39:777  
Mathematical fish population dynamics

Review of 581530 on the dynamics of exploited fish populations.

GLK:glk

MF

Coots, M. (1958) 59-0155  
Adm.Rep.Inl.Fish.Calif., (9):8 p.  
Klamath river 1956 king salmon count, Klamathon racks, Siskiyou County, California

Records the count of Oncorhynchus tshawytscha, grilse, males, females; compares with counts since 1925; has notes on marked fish recoveries; unsuccessful spawnings, & predation by Entosphenus tridentatus.

WAD:wad

MF

Maroc. Service Central 59-0153  
des Statistiques (1958)  
Rabat, 36 p.  
Bulletin mensuel de statistique no. 11  
(Monthly bulletin of statistics)

Incl. monthly table of fish landings, by areas, for the period June 1957-June 1958.

FAO:sjh

M

Rayner, H.J. (1958) 59-0156  
Oro.St.Game Bull., 13(10):3, 6-7  
Rearing reservoirs

Discusses the use of impoundments to rear steelhead trout, Salmo gairdneri, & Pacific salmon, Oncorhynchus, in Oregon.

WAD:wad

MF



Koski, R. (1958) 59-0157  
Ore.St.Game Bull., 13(10):4-5, 7  
Road construction and fish

A popular article describing some methods used in Oregon to offset harmful effects of road construction to fish.

WAD:wad

MF

Paul, A.R. (1958) 59-0160  
Proc.zool.Soc.Lond., 131:527-57  
Eastbourne marine shore fauna

A check list of fauna with a brief geological description of Eastbourne coastal area.

FAO:efa

M

Carthy, J.D. (1958) 59-0158  
George Allen & Unwin Ltd., London, 380 p  
An introduction to the behaviour of invertebrates

Textbook dealing with sense-organs, the perception of light, form & motion, of heat, of position, vibration, tactile & chemical sensations, & with whole patterns of behaviour.

GLK:glk

MF

Atkins, D. (1958) 59-0161  
Proc.zool.Soc.Lond., 131:559-81  
A new species and genus of Kraussinidae (Brachiopoda) with a note on feeding

Ill. description of a new sp. & genus, Pumilus antiquatus, of Kraussinid brachiopod from shallow water, Lyttelton, New Zealand.

FAO:efa

M

Purchon, R.D. (1958) 59-0159  
Proc.zool.Soc.Lond., 131:487-525  
The stomach in the Eulamellibranchia; stomach type IV

Description of internal structure & function of stomach for representatives of 17 families of Eulamellibranchia, with new definition for stomach type IV. On the basis of internal structure of stomach, these families appear to comprise natural & monophyletic assemblage.

FAO:efa

MF

Tylor, M.J. (1958) 59-0162  
Proc.zool.Soc.Lond., 131:583-95  
On the diet and feeding habits of the edible frog (Rana esculenta Linnaeus)

Reports stomach content analysis of 16 recently metamorphosed & 47 mature Rana esculenta captured at Senonches, France. Aposematic prey forms a substantial proportion of diet & the sp. is not selective.

FAO:efa

F

David, P.M. (1958) 59-0163  
Proc.zool.Soc.Lond., 131:597-606  
A new species of Lukrohnia from the  
southern ocean with a note on  
fertilization

Description of Lukrohnia bathy-  
antarctica with notes on  
distribution & fertilization.

FAO:efa

M

Owen, G. (1958) 59-0166  
Proc.zool.Soc.Lond., 131:637-48  
Shell form, pallial attachment and the  
ligament in the Bivalvia

Gives examples to show effect of  
changes in form of mantle/shell on  
position of adductor muscles, &  
limitation of pallial attachment in  
anterior & posterior embayments of  
mantle by secondary extension of the  
primary ligament.

FAO:efa

MF

Ashton, E.H. & 59-0164  
C.B. Oxnard (1958)  
Proc.zool.Soc.Lond., 131:607-25  
Variation in the maxillary nerve of  
certain mammals

Incl. anatomy of nerve of Lutra lutra  
& Phoca vitulina.

FAO:efa

MF

Einarsson, H. (1958) 59-0167  
Rep.FAO/ETAP, (829):53 p.  
Report to the Government of Turkey on  
fishery biology

Report of author's assignment FAO  
under U.N. Expanded Technical  
Assistance Programme. Observations on  
marine resources of Turkey, with  
special reference to the development  
of research planktonic food; pelagic  
fish stocks of the Black Sea; demersal  
stocks of the Sea of Marmara; age  
analysis for Engraulis encrasicolus,  
Merluccius merluccius, Sarda sarda &  
Mullus barbatus; evaluation &

Webb, J.M. (1958) 59-0165  
Proc.zool.Soc.Lond., 131:627-35  
On a collection of lancelets from the  
Gambia, with a description of a new  
species of Branchiostoma

Systematic account of B. senegalense  
Webb, B. leonense Webb, & B.  
gambiense sp. n. from West African  
waters; with notes on distribution  
& occurrence.

FAO:efa

M

59-0167  
(Card 2)  
preservation of echosounder records;  
programmes of research; recommendations  
for further development.

SJH:efa

MF

Harrison, A.C. (1958) 59-0169  
Piscator, (43):44-5, 63-4  
Sea-run rainbow trout of the Merste  
river

A history of Salmo gairdneri in a  
South African river.

FAO:wad

MF

Anonymous (1958) 59-0172  
Piscator, (43):79  
Another successful use of the plastic  
bag and oxygen method for trout  
transportation

Brief note on dimensions & weight of  
containers, & numbers of fingerlings  
& duration of confinement.

FAO:tjj

F

Jubb, R.A. (1958) 59-0170  
Piscator, (43):56-7  
A cave-dwelling cat-fish Clarias  
cavernicola Trawavas 1936, in south  
West Africa

Contents as per title.

FAO:wad

F

IPHC (1958) 59-0173  
Rep.int.Pacif.Halib.Comm., (26):16 p.  
Regulation and investigation of the  
Pacific halibut fishery in 1957

Report under headings: historical back-  
ground; activities of the Commission;  
the 1957 regulations; statistics of the  
fishery; catch per unit fishing effort;  
length of fishing seasons; composition  
of the catches; growth studies; tagging  
experiments; & studies of halibut of  
sub-commercial size.

WAD:sjh

M

Jubb, R.A. (1958) 59-0171  
Piscator, (43):74-8  
The distribution of freshwater eels in  
Southern Africa

Describes occurrence of Anguilla  
mossambica, A. bicolor bicolor, A.  
nebulosa labiata & A. marmorata;  
contains life history notes.

FAO:wad

MF

Cushing, J.M. & 59-0174  
G.L. Durall (1957)  
Amer.Nat., 91:121-6  
Isoagglutination in fish

Examination of the blood of Ictalurus n.  
nebulosus Le Sueur, I. p. punctatus Le  
Sueur, Gonyonemus lineatus Ayres, &  
Katsuwonus pelamis Linnaeus.

FAO:glk

MF



Desbrosses, P. (1958) 59-0175  
Sci.Pêche, (62):1-3  
 La julienne (The ling)  
 Notes on the biology of Molva vulgaris  
 Flem.

FAO:glk

M

Young, J.Z. (1958) 59-0178  
Proc.roy.Soc., 149B:463-83  
 Responses of untrained octopuses to  
 various figures and the effect of  
 removal of the vertical lobe

Unconditioned responses of Octopus  
 specimens newly introduced to aquaria  
 from the sea.

FAO:sjh

M

Faure, L. (1958) 59-0176  
Sci.Pêche, (62):4-5  
 Rapport préliminaire sur la présence  
 de Nicothoe astaci chez des homards de  
 diverses origines (Preliminary  
 report on the presence of Nicothoe  
astaci in lobsters of various origins)

Note, with some data, on the incidence  
 of this parasitic copepod.

FAO:glk

M

Choczman, D.F. (1958) 59-0179  
Proc.roy.Soc., 149B:571-87  
 Ovorubin, a chromoprotein from the  
 eggs of the gastropod mollusc Pomacea  
canaliculata

Contents as per title.

FAO:sjh

F

Young, J.Z. (1958) 59-0177  
Proc.roy.Soc., 149B:441-62  
 Effect of removal of various amounts of  
 the vertical lobes on visual  
 discrimination by Octopus

Experiments on conditioned behaviour  
 of a number of specimens in tanks.

FAO:sjh

M

Anichini, C. & 59-0180  
 L. Spedaletti (1957)  
Bull.Inst.océanogr.Monaco, (1101):12 p.  
 Ricerche di biologia marina nei mari  
 circostanti la Sardegna: II. Variazioni  
 dello zooplancton nella poscata orizzon-  
 tale a m. 1 di profondità nella parte  
 occidentale del Golfo di Cagliari nei  
 mesi di ottobre-novembre-dicembre 1956  
 (Researches in marine biology in the  
 seas surrounding Sardinia: II.  
 Variations in zooplankton in horizontal  
 fishing to a depth of 1 m. in the  
 western part of the Gulf of Cagliari in  
 the months of Oct-Nov-Dec. 1956). Fr

Contents as per title.

FAO:glk

M

Cachon, J. (1957) 59-0181  
Bull.Inst.océanogr.Monaco, (1103):6 p.  
 Sur quelques techniques de pêches  
 planctoniques pour études biologiques  
 (On some techniques for collecting  
 plankton for biological studies)

Description of equipment.

FAO:glk

M

Picard, J. (1957) 59-0184  
Bull.Inst.océanogr.Monaco, (1106):12 p.  
 Etudes sur les hydroides de la super-  
 famille Pteronomatoidea. I. Généralités  
 (Studies on the hydroids of the super-  
 family Pteronomatoidea. I. Generalities)

Definition of terms, diagnosis of this  
 now super family, schedule of families  
 included, discussion of phylogeny.

FAO:glk

M

Grinda, L. (1957) 59-0182  
Bull.Inst.océanogr.Monaco, (1104):27 p.  
 Ondes de pression sous-marines et  
 enregistrements séismographiques  
 (Submarine pressure waves and seismo-  
 graphic registrations)

Report of various explosions on the  
 bottom in the Gulf of Giens & in the  
 open sea with & without measurement of  
 the duration of propagation. Inter-  
 pretation of the experimental results,  
 energetic balance, & interpretation of  
 seismic waves observed at Monaco.

FAO:glk

M

Anichini, C. & 59-0185  
 A. Carta (1957)  
Bull.Inst.océanogr.Monaco, (1107):11 p.  
 Ricerche di biologia marina nei mari  
 circostanti la Sardegna: III.  
 Variazioni dello zooplancton nella  
 pescata orizzontale a m. 25 di profon-  
 dità nella parte orientale del Golfo  
 di Cagliari nei mesi di ottobre-  
 novembre-dicembre 1956 (Researches  
 in marine biology in the seas  
 surrounding Sardinia. III. Variations  
 in zooplankton in horizontal fishing  
 to a depth of 25 m. in the eastern  
 part of the Gulf of Cagliari in the

Lück, H.B. (1957) 59-0183  
Bull.Inst.océanogr.Monaco, (1105):4 p.  
 Au sujet d'un cas de formation  
 d'aplanospores dans le genre Cladophora  
 (Concerning a case of an aplanospore  
 in the genus Cladophora)

Contents as per title.

FAO:glk

M

59-0185  
 (Card 2)  
 months of October-November-December  
 1956). Fr

Contents as per title.

FAO:glk

M

Vernet-Cornubert, G. (1957) 59-0187  
Bull.Inst.océanogr.Monaco, (1109):14 p.  
 Existence de caractères sexuels périodiques chez certains décapodes Reptantia Dromia vulgaris (Fabricius), Pilumnus hirtellus (Linné) (The existence of periodic sexual characters in certain decapoda Reptantia Dromia vulgaris Fabricius & Pilumnus hirtellus Linné)

Study of pilosity & its determinants.

FAO:glk

M

Rasmussen, T. (1958) 59-0190  
Fiskeridir.Skr.Havundersøk., 12(2):8 p.  
 The herring from the Fuglsetfjord - a supplement to "The Østerbø Herring"

Age & length distribution & the identification of the stock, & comparison to earlier investigated stocks in the vicinity.

GLK:tl

M

Norway. Fiskeridirektøren (1958) 59-0188  
Aarsberetn.Norg.Fisk., (3):56 p.  
 Årsmelding 1957 fra Fiskeridirektoratets Kjemisk-Teknisk Forskningsinstitutt (Annual report for 1957 from the Chemical-Technical Research Institute of the Fisheries Directorate)

Survey of investigations & experiments with indication of principal results.

FAO:tl

M

Carruthers, J.N. (1958) 59-0191  
Bull.Inst.océanogr.Monaco, (1126):34 p.  
 A leaning-tube current indicator ('Pisa')

Description of the construction of the instrument for measuring current speed & direction on the bottom & in mid-water. Cultivation & use of the instrument.

FAO:tl

M

Norway. Fiskeridirektøren (1958) 59-0189  
Aarsberetn.Norg.Fisk., (11):91 p.  
 Fiskeriinspektørens virksomhet 1957 (The activities of fisheries inspectors during 1957)

Review of the fisheries during 1957 in the 6 fisheries districts of Norway.

FAO:tl

M

Akademiia Nauk SSSR. 59-0192  
 Karel'skii filial (1957)  
Moscow, 494 p.  
 Materialy po kompleksnomu izucheniiu Belogo moria. I. (Material on the allround study of the White Sea. I.)

Contains papers 590193 to 590234.

FAO:

M



Dmitriev, N.A. (1957) 59-0193  
 In 'Materialy po Kompleksnomu Izucheniiu  
 Belogo Moria', by the Akademiia Nauk  
 SSSR, Karel'skii Filial, Moscow, 1957,  
 7-14  
 Rezultaty issledovaniia na Belom more  
 v 1951-1952 gg. (Results of  
 research carried out on the White Sea  
 in 1951-52)

Refers to the governmental plan for  
 appraisal of White Sea commercial fish  
 reserves & their improvement, feed  
 resources, present state & prospects  
 for developing commercial fishing.  
 Describes the environment & sp.

59-0195  
 (Card 2)  
 composition - 36 spp. - & distribution  
 of the fish population, live-feed,  
 seasonal behaviour & reproduction, food  
 relations, acclimatization prospects.

FAO:go

MF

59-0193  
 (Card 2)  
 occurring in this sea with emphasis  
 on herring, Eleginus navaga, cod,  
 smolt, salmon, & indicates urgent  
 conservation measures.

FAO:go

MF

Tambovtsov, B.M. (1957) 59-0197  
 In 'Materialy po Kompleksnomu Izucheniiu  
 Belogo Moria', by the Akademiia Nauk  
 SSSR, Karel'skii Filial, Moscow, 1957,  
 44-73  
 Biologiia i sovremennoe sostoianie  
 promysla belomorskikh seldoi  
 (Biology & present state of White Sea  
 herring commercial fishing)

Describes fishing grounds & seasons,  
 average catches, age, size, growth rates,  
 fertility & behaviour of herring  
 belonging to different stocks. Examines  
 factors affecting the quantitative &  
 qualitative composition of stocks,

Palenichko, Z.G. (1957) 59-0195  
 In 'Materialy po Kompleksnomu  
 Izucheniiu Belogo Moria', by the  
 Akademiia Nauk SSSR, Karel'skii Filial,  
 Moscow, 1957, 15-42  
 Itogi kompleksnykh issledovaniia v  
 Onegzhskom zalivo Belogo moria  
 (Results of complex research in the  
 Onega Bay of the White Sea)

Refers to Government instructions for  
 appraisal of the main commercial fish  
 reserves: Clupea harengus pallasii,  
Eleginus navaga, Osmerus eperlanus,  
 within the Onega Bay. Describes the

59-0197  
 (Card 2)  
 commercial fishing prospects &  
 rational conservation measures.

FAO:go

M

Mikhailovskaia, A.A. (1957) 59-0199  
In "Materialy po Kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
74-89

Biologiya i promysl seldi Onozhskogo  
zaliva (Biology and commercial  
fishing of Onega Bay herring)

Describes different varieties of herring  
occurring in the Onega Bay of the White  
Sea, their behaviour, development &  
commercial value at different periods,  
composition of catches according to fish-  
ing grounds & months. Examines the  
numerical trend & actual state of herring  
stocks.

FAO:go

M

Kazanova, I.I. (1957) 59-0202  
In "Materialy po Kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
105-15

Samnozhenie molkoi onozhskoi seldi v  
1952 g. (Reproduction of small-  
sized Onega herring in 1952)

Describes works carried out in both  
natural surroundings & aquaria for  
studying spawning grounds & environment  
of Clupea harengus pallasii n. maris-  
albi, development & survival rates of  
eggs & larvae, causes of mortality.  
Suggests protection of spawning grounds.

FAO:go

M

Vilson, A.P. (1957) 59-0200  
In "Materialy po Kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
90-104

Biologiya i promysl seldi Kandalaksh-  
skogo zaliva (Biology & commercial  
fishing of Kandalaksha Bay herring)

States that the numbers of White Sea  
herring are subject to considerable  
fluctuations & examines the present  
state of Kandalaksha Bay herring reserves.  
Describes the history of local fishing:  
procedure, gear, catches & its effect on  
stocks; behaviour & development of

Andriashov, A.P. (1957) 59-0203  
In "Materialy po Kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
117-25

Nekotorye voprosy amfiboreal'nogo  
rasprostraneniia s zamechaniiami o  
vozmozhnom proiskhozhdenii navagi i  
malopozvonkovoi seldi (Certain  
problems connected to the amphiboreal  
hypothesis of expansion & remarks on the  
possible origin of Meloginus sp. &  
Clupea harengus pallasii)

Examines available data on the  
Atlantic or Pacific origin of northern

59-0200  
(Card 2)  
Kandalaksha herring. Promotes spawn  
& spawner protection.

FAO:go

M

59-0203  
(Card 2)  
fish & the possibility of early  
migrations. Favours the opinion on the  
Pacific origin of the Atlantic Meloginus  
& Microgadus spp., & of the Arctic  
Clupea harengus pallasii.

FAO:go

MF

Altukhov, K.A. (1957) 59-0205  
In "Materialy po Kompleksnomu Izucheniuiu  
Bologo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
126-39  
Navaga Bologo moria (White Sea  
Eloginus navaga)

Reviews E. navaga commercial fishing in  
the past. Describes the behaviour,  
growth rates, natural environment at  
different stages of development,  
distribution, age composition & bulk of  
catches at different seasons & fishing  
grounds. Discusses prospects of commercial  
fishing & E. navaga reserves.

FAO:go

MF

Balagurova, M.V. (1957) 59-0208  
In "Materialy po Kompleksnomu Izucheniuiu  
Bologo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
155-83  
Materialy po biologii koriushki Onozh-  
skogo zaliva Bologo moria (Biological  
data on Onoga Bay smolt of the White  
Sea)

Describes investigations on Osmerus  
oporlanus dontex n. dvinensis biology &  
reserves, conducted in the Onoga Bay &  
Niukhcha river during 1951-52. States  
data on smolt distribution, spawning,  
age & sex composition of stocks at

Nikolaov, A.P. (1957) 59-0206  
In "Materialy po Kompleksnomu Izucheniuiu  
Bologo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
140-53  
Navaga Onozhskogo zaliva Bologo moria  
(Onoga Bay Eloginus navaga of the White  
Sea)

Describes results of studies carried out  
on 42,000 specimens of E. navaga & of  
incubation experiments both in natural  
surroundings & in aquaria. States data on  
commercial fishing, growth rates, age,  
size & sex proportions, maturity,  
fertility & spawning behaviour; actual

59-0208  
(Card 2)  
different seasons, fertility &  
development, food, growth rates,  
commercial fishing & prospects for  
improving the latter.

FAO:go

MF

59-0206  
(Card 2)  
state of stocks & necessity for  
limiting summertime fishing.

FAO:go

MF

Timakova, M.N. (1957) 59-0210  
In "Materialy po Kompleksnomu Izucheniuiu  
Bologo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
185-220  
Pitanie i pishchevye vzaimootnosheniia  
navagi i koriushki Onozhskogo zaliva  
Bologo moria (Nutrition & food  
relations of Eloginus navaga & Osmerus  
oporlanus dontex n. dvinensis of the  
White Sea Onoga Bay)

States that 4491 specimens of both spp.  
were examined for food composition.  
Discusses the live-feed consumed by



59-0210  
(Card 2)  
both spp. according to age, sex & season. Concludes that despite similarity of food items the different food cycle practically excludes competition between M. navaga & O. cporlanus.

FAO:go

MF

59-0214  
Sonina, M.A. (1957)  
In "Materialy po Kompleksnomu Izuchoniu Bologo Moria", by the Akademiia Nauk SSSR, Karol'skii Filial, Moscow, 1957, 230-42  
Treska Bologo moria (White Sea cod)  
Discusses the existence in the White Sea of 2 broods of cod: resident Gadus morhua maris-albi Dor. & migratory G. m. morhua n. hiemalis Tal. Describes studied specimens, behaviour, growth rates, nutrition, commercial fishing. States that cod reserves in the White Sea are limited.

FAO:go

M

Mukhachova, V.A. (1957) 59-0212  
In "Materialy po Kompleksnomu Izuchoniu Bologo Moria", by the Akademiia Nauk SSSR, Karol'skii Filial, Moscow, 1957, 222-9

Ikrinki i malki ryb Onozhskogo zaliva Bologo moria (Fish eggs and fry in the Onega Bay of the White Sea)

Describes 106 samples collected by egg-nets between late June & mid-Aug. for studying stages of fish development. Samples contained: larvae of Clupea harongus pallasii n. maris albi, Mallotus villosus, Gasterosteus aculeatus, Pungitius pungitius, Cyclopterus lumpus,

59-0212  
(Card 2)  
Plouronectes flosus & the latter's spawn. Herring, capelin & flounder constituted the main component.

FAO:go

MF

Drastova, V.M. (1957) 59-0215  
In "Materialy po Kompleksnomu Izuchoniu Bologo Moria", by the Akademiia Nauk SSSR, Karol'skii Filial, Moscow, 1957, 243-51

Kharakteristika bolomorskogo rybnogo promysla Karolskoi ASSR (Description of the Karolian ASSR commercial fishing in the White Sea)

Examines the organizational background of Karolian fisheries. States data on the composition, trend & seasonal distribution of the most important commercial fish - 13 spp. Suggests seasonal rearrangement of fishing, better

59-0215  
(Card 2)  
equipment & surveys as a means to improve yields.

FAO:go

M

Gurianova, E.F. (1957) 59-0217  
In "Materialy po Kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
252-79

Kratkie rezultaty gidrobiologicheskikh  
issledovaniy Mozenskogo zaliva letom  
1952 goda (Summary on hydrobiological  
studies carried out in the Mozen Bay  
in the summer of 1952)

Tentative description of the Mozen Bay on  
the basis of hydrological & hydro-  
chemical data, fauna, flora & plankton,  
collected in July 1952. Refers to works  
on other areas of the White Sea & shows

59-0219  
(Card 2)  
strong influence of riverflow also  
creates peculiar environment in bays.



FAO:go

M

59-0217  
(Card 2)  
the peculiar characteristics of the  
Mozen Bay.

FAO:go

M

Kamshilov, M.M. (1957) 59-0221  
In "Materialy po kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
305-14  
Nekotorye novye dannye o zooplanktone  
Belogo moria (Some new data on the  
White Sea zooplankton)

States data on the density of the zoo-  
plankton population of the White Sea as  
compared to that of the Barents Sea; in  
certain areas the former is higher, at  
any rate denotes less fluctuating  
seasonal averages. Describes spp. found  
in the Mozen Bay, the biomass of which  
is poor.

FAO:go

M

Kislov, I.A. (1957) 59-0219  
In "Materialy po Kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
282-303

Osobennosti rasprodneniia fitoplanktona  
v Belom more (Peculiar distribution  
of phytoplankton in the White Sea)

Describes sp. & their distribution in  
different areas of the sea: "Gorlo,  
Voronka" & Mozen Bay in the north & the  
southern Onega Bay. States that "Gorlo"  
constitutes a certain barrier between  
strictly White Sea & Barents Sea spp.;

Epshtein, L.M. (1957) 59-0222  
In "Materialy po Kompleksnomu Izucheniui  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karol'skii Filial, Moscow, 1957,  
315-48

Zooplankton Onozhskogo zaliva i ego  
znachenie v pitanii solda i molodi ryb  
(Zooplankton of the Onega Bay & its  
importance as a food resource for  
herring & fish fry)

Describes the odd 70 spp. of pelagic  
live-food organisms & their distribution  
in the bay, nutrition of fish at  
different stages of development.  
Concludes that food resources are

59-0222  
(Card 2)

sufficient for horring & smolt fry,  
but do not cover the requirements of  
adult horring.

FAO:go

M

59-0225  
(Card 2)

where samples were collected,  
composition & distribution of the 490  
spp. examined, mostly Bryozoa,  
Polychaeta, Amphipoda, Mollusca.

FAO:go

M

Epshtein, L.M. (1957) 59-0224  
In "Materialy po Kompleksnomi Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
350-4

Zooplankton Voronki Belogo moria u  
zapadnogo poberezhia Kaninskoi zemli  
(Zooplankton of the White Sea 'Voronka'  
off the western coast of Kanin peninsula)

Describes investigations carried out in  
the N.E. of the White Sea & plankton  
samples collected. States data on the  
composition & density of the plankton  
population, most spp. inhabiting both  
the Barents & the White Sea.

FAO:go

M

Palenichko, Z.G. 59-0227  
& M.N. Timakova (1957)

In "Materialy po Kompleksnomi Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
381-90

Gidrobiologicheskaiia kharakteristika  
guby Kuz Pomorskogo poberezhia Belogo  
moria (Hydrobiological characteristics  
of the Kuz firth on the Pomorie coast  
of the White Sea)

States that this firth constituted by  
the river Kuz estuary is one of the  
fishing & spawning grounds of herring,  
M. navaga & flatfish. Describes the

Ivanova, S.S. (1957) 59-0225  
In "Materialy po Kompleksnomi Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
355-79

Kachestvennaia i kolichestvennaia  
kharakteristika bentosa Onezhskogo zaliva  
Belogo moria (Qualitative &  
quantitative characteristics of the  
benthos in the White Sea Onega Bay)

Refers to previous studies of the White  
Sea fauna & mainly to information  
obtained in 1947-52 on the Onega Bay  
benthos. Describes procedure & points

59-0227  
(Card 2)

environment, flora & fauna of the area,  
the distribution & numerical proportion  
of fish & their food items.

FAO:go

MF



Bulycheva, A.I. (1957) 59-0229  
In "Materialy po Kompleksnomu Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
391-410  
Fauna amphipoda Belogo moria (Amphi-  
poda population of the White Sea)

Examines data supplied by samples  
collected on 1,000 stations & the  
stomach contents of 179 fishes,  
regarding 95 spp. of benthic & 3  
plankton amphipoda belonging to 25  
families & 60 genera. States data on  
horizontal & vertical distribution of  
White Sea amphipoda.

FAO:go

M

Gostilovskaia, M.G. (1957) 59-0232  
In "Materialy po Kompleksnomu Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
434-70  
Mshanki Belogo moria (White Sea  
Bryozoa)

Describes 131 spp. of Bryozoa, their  
behaviour & distribution in the White  
Sea. States that the studies were  
carried out on collections belonging  
to the Academy of Science Zoological  
Institute.

FAO:go

M

Slastnikov, G.S. (1957) 59-0230  
In "Materialy po Kompleksnomu Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
411-26

Fauna Polychaeta Onezhskogo zaliva  
Belogo moria (Polychaeta population  
of the White Sea Onega Bay)

Examines results of studies carried out  
in 1938 on 207 samples containing 92  
Polychaeta spp. States data on their  
behaviour & distribution within the  
Onega Bay.

FAO:go

M

Gorshkova, T.I. (1957) 59-0233  
In "Materialy po Kompleksnomu Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
472-88

Organicheskoe veshchestvo i karbonaty v  
osadkakh Belogo moria (Organic  
matter & carbonates in White Sea  
sedimentation)

Examines the causes of accumulation of  
carbonates & organic matter on the sea-  
bed. Describes methods applied for  
collecting & analyzing samples & states  
data obtained.

FAO:go

M

Akatova, N.A. (1957) 59-0231  
In "Materialy po Kompleksnomu Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
428-33

Ostrakody Onezhskogo zaliva Belogo moria  
(Ostracoda of the White Sea Onega Bay)

Describes 5 spp. of Ostracoda discovered  
in samples collected on 23 stations of  
the Onega Bay. States that these spp.  
were never mentioned previously among  
the White Sea Ostracoda population.

FAO:go

M

Kisolev, O.N. (1957) 59-0234  
In "Materialy po Kompleksnomu Izucheniiu  
Belogo Moria", by the Akademiia Nauk  
SSSR, Karel'skii Filial, Moscow, 1957,  
489-94

Primenenie ekholota v promyslovoi  
razvedke (Use of echo-sounders for  
commercial fishing surveys)

States the importance of echo-sounders  
for locating & identifying fish,  
appraising shoals & guiding casts.  
Describes devices & the way to operate  
them.

FAO:go

M

Baggerman, B. (1957) 59-0235  
Arch.neerl.zool., 12:105-318  
 An experimental study of the timing of breeding and migration in the three-spined stickleback (Gasterosteus aculeatus L.)

Timing of breeding was examined with reference to influence of temperature & length of day on gonad development & the role of critical external factors; the physiological mechanism is discussed. Timing of migration was studied experimentally with reference to the connection between the gonadal cycle & salinity preference.

GLK:glk

MF

Munk, W.H. (1957) 59-0238  
Trans.Amer.geophys.Un., 38:778  
 Letters to the editor - Comments on a review by C.L. Bretschneider of "Practical methods for observing & forecasting ocean waves by means of wave spectra & statistics" (U.S. Navy Hydrographic Office Publ. no. 603, by W.J. Pierson, Jr., G. Neumann & R.W. James)

M

Broadhead, G.C. (1957) 59-0236  
Bull.interam.trop.Tuna Comm., 2(1):20 p.  
 Changes in the size structure of the yellowfin tuna population of the tropical eastern Pacific ocean from 1947 to 1955. En Es

The general indications of changes in the average size of the yellowfin tuna, Neothunnus macropterus, landed by the commercial fishery, correlated with changes in the fishing effort indicate that the recent levels of fishing intensity have been sufficiently high to affect the stocks of the sp. in the eastern tropical Pacific.

HR:hr

M

Neumann, G. & W.J. Pierson, Jr. (1957) 59-0239  
Trans.Amer.geophys.Un., 38:779-81  
 Letters to the editor - Comments on a review by C.L. Bretschneider of "Practical methods for observing & forecasting ocean waves by means of wave spectra & statistics" (U.S. Navy Hydrographic Office Publ. no. 603, by W.J. Pierson, Jr., G. Neumann & R.W. James)

M

Drinnan, R.E. & M.G. Ridpath (1957) 59-0237  
Bird Study, 4:149-59  
 Counting flocks of roosting birds by photography

Discusses difficulties of visual counting of large flocks & describes critically methods using both still & ciné photography.

:jae

MF

MacLulich, D.A. (1957) 59-0240  
J.Wildlife Mgmt., 21(3):293-9  
 The place of chance in population processes

FAO:

G

Wise, J. (1957) 59-0241  
Economica, 24(93)  
The estimation of the time-response  
functions in complete economic systems

G

Robertson, J.D. (1957) 59-0244  
Biol.Rev., 32:156-87  
The habitat of the early vertebrates

MF

Wolstenholme, G.E.W. 59-0242  
& E. Millar (1957)  
J. & A. Churchill, Ltd., London, 224 p.  
Paper electrophoresis

G

Rao, K.N. (1957) 59-0245  
Indian J.Met.Geophys., 8:137-54  
International barometer conventions  
and tables

M

Aronoff, S. (1957) 59-0243  
Bot.Rev., 23(2):65-107  
Photosynthesis

A review of the subject.

MF

Puterbaugh, H.L., H.W. Kehrberg 59-0246  
& J.O. Dunbar (1957)  
J.Fm Econ., 39:478-89  
Analysing the solution tableau of a  
simplex linear programming problem in  
farm organization

G



Ahrens, L.H. (1957) 59-0247  
In "Physics & Chemistry of the Earth",  
Vol. 2, by Ahrens, L.H. & al. (Ed.),  
Pergamon Press London, 1957, 30-45  
A survey of the quality of some of the  
principal abundance data of geo-  
chemistry

Discusses conventional or classical  
methods of chemical analysis & makes  
observations on instrumental & physical  
methods of analysis; notes on colorimetric  
procedures & comments on future  
development.

GLK:glk

MF

Moser, H. (1957) 59-0250  
Cold Spr. Harb. Symp. quant. Biol., 22:  
121-37

Population studies: animal ecology and  
demography. Structure and dynamics of  
bacterial populations maintained in the  
chemostat

A model is constructed on the basis of  
the characteristics of the chemostat &  
a system of equations set up  
formulating rates of change of cell  
densities, of concentration of  
controlling growth factor, & of  
growth rate constants, as functions of  
limiting nutrient concentration. From

Wellmann, G. (1957) 59-0248  
Z. Fisch., 6(1-7):191-3  
Über die Ubiquität des Rotlaufferregers  
(Erysipelothrix rhusiopathiae)  
(On the ubiquity of erisipelis, Erysi-  
pelothrix rhusiopathiae)

Consideration on erisipelis with  
special regard to ascites.

FAO:glk

F

59-0250  
(Card 2)  
these an explicit expression for the  
growth of homogenous populations in  
the chemostat as a function of time  
is derived.

FAO:glk

G

Tustin, A. (1957) 59-0249  
New Scient., 2(5):8-10  
The mechanisms of economic instability

Methods by which engineers stabilise  
their mechanisms suggest analogous  
possibilities for stabilising economic  
systems. Here an engineer discusses  
the problems.

G

Utida, S. (1957) 59-0252  
Cold Spr. Harb. Symp. quant. Biol., 22:  
139-51

Population studies: animal ecology and  
demography. Population fluctuation, an  
experimental and theoretical approach

Attempts to show how the fluctuation  
of population occurs under constant  
environmental conditions with regard  
to 3 population systems: 1) a system of  
a single sp. population; 2) an inter-  
acting system of host & parasite; 3) a  
complicated system of interaction where  
2 spp. of parasite attack their host.  
FAO:glk G

Nicholson, A.J. (1957) 59-0253  
Cold Spr. Harb. Symp. quant. Biol., 22:  
153-73

Population studies: animal ecology and demography. The self-adjustment of populations to change

Discussion of arguments & evidence for the conclusion that it is the innate ability of animals to produce a surplus of off-spring that enables populations to persist, in spite of adverse environmental factors causing heavy mortality.

FAO:glk

G

Pitelka, F.A. (1957) 59-0256  
Cold Spr. Harb. Symp. quant. Biol., 22:  
237-51

Population studies: animal ecology and demography. Some aspects of population structure in the short-term cycle of the brown lemming in Northern Alaska

Parameters of mortality & reproduction affecting population level & its trend of change.

FAO:glk

G

Birch, L.C. (1957) 59-0254  
Cold Spr. Harb. Symp. quant. Biol., 22:  
203-18

Population studies: animal ecology and demography. The role of weather in determining the distribution and abundance of animals

Discussion of a stochastic model, placing emphasis on the instability of natural populations. Evidence of fluctuations in populations of grasshopper, birds & mammals is discussed in relation to weather fluctuations.

FAO:glk

G

Milne, A. (1957) 59-0257  
Cold Spr. Harb. Symp. quant. Biol., 22:  
253-71

Population studies: animal ecology and demography. Theories of natural control of insect populations

Review of the theories of Nicholson & of Andrewartha & Birch, & presentation of the author's own theory on natural control based on a classification of factors causing population changes in insect spp.

FAO:glk

G

Andrewartha, H.G. (1957) 59-0255  
Cold Spr. Harb. Symp. quant. Biol., 22:  
219-36

Population studies: animal ecology and demography. The use of conceptual models in population ecology

Discusses the number of relations that can commonly be observed in nature between animals & their environments, & examines the basic assumption of deterministic models that biotic factors are usually density dependent & physical factors usually density independent.

FAO:glk

G

Blair, W.F. (1957) 59-0258  
Cold Spr. Harb. Symp. quant. Biol., 22:  
273-5

Population studies: animal ecology and demography. Changes in vertebrate populations under conditions of drought

Accounts of changes in populations of 4 spp. of vertebrates giving composition as well as population level.

FAO:glk

G

<p>Chitty, D. (1957) 59-0259  <u>Cold Spr. Harb. Symp. quant. Biol.</u>, 22  277-80  Population studies: animal ecology and demography. Self-regulation of numbers through changes in viability</p> <p>Description of work concerned with an attempt to find the factors associated with a severe type of mortality commonly affecting populations of field mice, <u>Microtus</u> spp.</p>		<p>Wangersky, P.J. 59-0262  &amp; T.J. Cunningham (1957)  <u>Cold Spr. Harb. Symp. quant. Biol.</u>, 22  329-38  Population studies: animal ecology and demography. Time lag in population models</p> <p>Single sp. growth curves, prey-predator growth curve &amp; inter-spp. competition.</p>	
FAO:glk G		FAO:glk G	
<p>Merrington, P.L. (1957) 59-0260  <u>Cold Spr. Harb. Symp. quant. Biol.</u>, 22  287-300  Population studies: animal ecology and demography. Of population cycles and unknowns</p> <p>Deals chiefly with the muskrat, <u>Ondatra zibethicus</u>, describing changes in population, reproduction rate &amp; behaviour.</p>		<p>Calhoun, J.B. (1957) 59-0263  <u>Cold Spr. Harb. Symp. quant. Biol.</u>, 22:  339-56  Population studies: animal ecology and demography. Social welfare as a variable in population dynamics</p> <p>Discussion of social relatedness &amp; its existence among &amp; within communities, incl. communities of aquatic organisms. Population potential as a deterrent to social welfare, &amp; a model of social interaction.</p>	
FAO:glk G		FAO:glk G	
<p>Reynoldson, T.B. (1957) 59-0261  <u>Cold Spr. Harb. Symp. quant. Biol.</u>, 22  313-27  Population studies: animal ecology and demography. Population fluctuations in <u>Urceolaria mitra</u> (Peritricha) and <u>Enchytraeus albidus</u> (Oligochaeta) and their bearing on regulation</p> <p>As a contribution to the controversy on density dependence &amp; density independence, describes the population fluctuations of 2 contrasting organisms, &amp; their regulatory mechanisms.</p>		<p>Konthanen, P. (1957) 59-0264  <u>Cold Spr. Harb. Symp. quant. Biol.</u>, 22:  373-8  Population studies: animal ecology and demography. On the delimitation of communities in research on animal biocoenotics</p> <p>Considers 3 methods in which the fauna itself constitutes the basis of classification of communities. 1) the dominance affinity method; 2) the correlation method; 3) the quotient of similarity method.</p>	
FAO:glk G		FAO:glk G	



Colloss, D.H. (1957) 59-0265  
Nature, Lond., 180:1496-7  
Components of the catch curve of Culex  
annulus in Singapore

An application to an insect population  
of the general equation for random  
arrival & capture by traps:  $\log (K - C) =$   
 $a + bt$ , where K is initial population,  
C is cumulative catch up to time, t, a,  
& b are constants, derived by Webster &  
DeCoursey, 1954.

GLK:sjh

G

T.B. (1957) 59-0268  
Bul.Inst.Cerc.piscic.Roman., 16(2):85-6  
Poscuitul cu chipcelul in Dunaro  
(The beach-seine fishery in the Danube).  
Ru Fr

A note on this fishery, its  
regulation & improvement.

FAO:sjh

F

Bailey, N.T.J. (1957) 59-0266  
Charles Griffin & Co., London, 194 p.  
The mathematical theory of epidemics

An up-to-date account of the basic  
mathematical theory underlying  
epidemiology. After a brief historical  
sketch the book discusses 1st the  
deterministic approach. The next portion  
of the book concerns the introduction of  
probability theory into the basic models  
leading to stochastic theories of  
epidemics.

:sjh

G

Summer, W. (1957) 59-0269  
Chapman & Hall, London, 691 p.  
Photosensitizers

G

Tukey, J.W. (1957) 59-0267  
Ann.math.Statist., 28:602-32  
On the comparative anatomy of  
transformations

G

Snodgrass, M.M. 59-0270  
& C.E. French (1957)  
J.Fm Econ., 39(1):40-51  
Simplified presentation of  
"transportation-problem procedure" in  
linear programming

FAO:

G

Smullen, W.C. (1957) 59-0271  
Blackwell Soc. Publ., Oxford, 176 p.  
Basic foundations of isotope technique  
for technicians

Martin, D.C. (1957) 59-0274  
Sci. News, Harmondsworth, 45:7-28  
The International Geophysical Year  
1957-58

Notes on the IGY plans, the  
observations to be made, & their  
treatment. Notes on USA satellite  
program.

GLK:

G

GLK:tl

M

Schäperclaus, W. (1957) 59-0272  
Z. Fisch., 6(1-7):3-37  
Ein Leben für Fischerei - Prof. Dr.  
H.H. Wundsch zum 70. Geburtstag  
(A life for fisheries - Prof. Dr. H.H.  
Wundsch on his 70th birthday)

Biography & list of 217 papers by  
Wundsch.

LaMont, C.C. (1957) 59-0275  
Ecology, 38:226-33  
The measurement of partial inter-  
specific association

A mathematical analysis of the  
problem; giving a statistical solution  
& tests of significance.

FAO:glk

MF

FAO:sjh

G

Rühmer, K. (1957) 59-0273  
Verlag, Paul Parey, 256 p.  
Fische und Nutztiere des Meeres deren  
Fang und Verwertung (Fishes and  
useful animals of the sea; their catch  
and use)

New edition of Rühmer, K., 1954.

M

Kuznetsov, V.V. (1957) 59-0276  
Vop. Ikhtiol., 8:143-54  
O tak nazyvayemom fenomene Li (On  
the so-called Lea phenomenon)

FAO:

MF

Küttner, H.O. (1957) 59-0277  
Jber.dtsch.Fisch., (1956):25-30  
Gesetzgebung (Amendments of law).  
 Mn  
 Notes on new international & German  
 amendments of laws concerning fisheries.

FiB:tl

MF

Jiabajee, N.A. (1957) 59-0280  
Pakist.J.Sci., 9(5):189-201  
 Saudi Arabia - Water supply of  
 important towns

F

Kamen, M.D. (1957) 59-0278  
 New York, Academic Press, 474 p.  
Isotopic tracers in biology; an  
introduction to tracer methodology

G

Harrison, J.L. (1957) 59-0281  
Malay.Nat.J., 12:82-90  
 Results of mark-recapture experiments  
 on small animals

Main faunal elements in different  
 regions with salient ecological  
 features of the latter.

GLK:tjj

G

Johnson, G.L. (1957) 59-0279  
J.Fm Econ., 39:390-7  
 Economic implications of agricultural  
 experiments (Discussion)

FAO:

G

Groening, A.M. (1957) 59-0282  
Jber.dtsch.Fisch., (1956):152-65  
Der fischwirtschaftliche Aussenhandel  
im Jahre 1956 (Foreign trade in  
 fish in the year 1956). Mn

Analysis of the fish trade statistics  
 in German Federal Republic.

FiB:tl

MF



Carpenter, C.C. (1957) 59-0283  
Copeia, (4):278-82

Hibernation, hibernacula and associated behaviour of the three-toed box turtle (Terrapene carolina triunguis)

An account of the study of hibernation habits of the sp. incl. marking procedures, technique used for finding hibernating turtles, & type of hibernacula.

HR:hr

F

Green, D.E. (1958) 59-0286  
Sci.Amer., 199(1):56-62  
Biological oxidation

Ill. account of conversion of carbohydrates & fats into chemical energy by network of reactions in mitochondria.

FAO:efa

G

Dobrotworsky, N.V. (1957) 59-0284  
Proc.Linn.Soc.N.S.W., 82(384):180-8  
Notes on Australian mosquitoes (Diptera, Culicidae). II.

Notes on Anopheles stigmaticus Skuse are given & the pupa is described. The adults, pupa & larva of the closely related Anopheles pseudostigmaticus, n. sp., are described from Victoria & notes are given on its biology & distribution. The adults, pupa & larva of Anopheles papuensis, n. sp., from New Guinea are described.

GLK:hr

F

Friederichs, K. (1958) 59-0287  
Arch.Hydrobiol., 54(1-2):276-8  
Zum Kreislauf der Stoffe in der Lebensgemeinschaft (On the circulation of materials in the biocoenose)

Short discussion of the food chains & cultivation of food in various biocoenoses.

FAO:tl

MF

Utida, S. (1957) 59-0285  
Ecology, 38:442-9  
Cyclic fluctuations of population density intrinsic to the host-parasite system

Contents as per title.

GLK:sjh

G

Courtney-Pratt, J.S. (1958) 59-0288  
Discovery, 19:104-8  
Symbols in scientific typescripts

FAO:

G

Lindsey, A.A., J.D. Barton, Jr. 59-0289  
& S.R. Miles (1958)  
Ecology, 39:428-44  
Field efficiencies of forest sampling  
methods

Methodological study of time required,  
using various established forest  
survey techniques, to complete a  
survey of a test area to a specified  
accuracy. A large scale map was used  
for the purpose.

FAO:glk

G

Leslie, P.H. (1958) 59-0292  
Biometrika, 45:16-31  
A stochastic model for studying the  
properties of certain biological  
systems by numerical methods

Theoretical models for the growth of a  
single sp. living in a limited  
environment, 2 spp. competing & a  
predator prey system, equivalent to the  
deterministic logistic process & the  
Lotka-Volterra models. Applications to  
Gause (1934) data for Paramecium  
populations.

FAO:sjh

G

Gould, S.W. (1958) 59-0290  
Amer.J.Bot., 45:331-9  
Punched cards, binomial names and  
numbers

A discussion of a system of numbers to  
supplement binomial names which  
considers: the plan of the numbering  
system, the functions of punched cards  
in taxonomy, the application of the  
numbers & punched cards to nomenclature  
& the status of nomenclature in the  
plant kingdom.

FAO:hr

G

Skellam, J.G. (1958) 59-0293  
Biometrika, 45:32-6  
On the derivation and applicability of  
Neyman's type A distribution

The sampling situation to which the  
Neyman type A is particularly suited  
is one where the organisms occur in  
compact clusters, an observation which  
may be equally well applied to a number  
of other compound distributions.  
Nevertheless it can be employed as an  
approximation in certain circumstances  
where the condition requiring compact  
clustering can be greatly relaxed.

FAO:sjh

G

Odinshaw, H. & 59-0291  
S. Ruttenberg (1958)  
Geophys.Monograph, (2):210 p.  
Geophysics and the IGY - Proceedings  
of the Symposium at the opening of the  
International Geophysical Year

FAO:

M

Bliss, C.I. 59-0294  
& A.R.G. Owen (1958)  
Biometrika, 45:37-58  
Negative binomial distributions with a  
common k

Development of a statistical technique  
which has been applied to many  
fisheries problems. Gives examples  
from fisheries biological data - see  
Taylor, C.C., 1953 & Oakland, G.B.,  
1950 for whitefish - of the modified  
treatment.

FAO:sjh

G

Brass, W. (1958) 59-0295

Biometrika, 45:59-68

Simplified methods of fitting the truncated negative binomial distribution

Development of a statistical technique has been applied to several fisheries biological problems.

FAO:sjh

G

Darroch, J.N. (1958) 59-0298

Biometrika, 45:343-59

The multiple-recapture census. I. Estimation of a closed population

Generalization of the theory of tagging for cases in which recaptured marked individuals can be released & again exposed to the capture operation.

FAO:sjh

G

Ashford, J.R. (1958) 59-0296

Biometrika, 45:74-88

Quantal responses to mixtures of poisons under conditions of simple similar action - the analysis of uncontrolled data

Estimation of a toxicity of individual poisons which may be administered singly or jointly to a population of living organisms under conditions of simple similar action, with particular reference to the analysis of uncontrolled data.

FAO:sjh

G

Patterson, H.D. (1958) 59-0299

Biometrika, 45:389-400

The use of autoregression in fitting an exponential curve

Examines methods of fitting curves of a form commonly used to express fish growth; particular study of the efficiency of what has been called the "Ford-Walford" plot for fish growth.

FAO:sjh

G

Leslie, P.H. 59-0297  
& J.C. Gower (1958)

Biometrika, 45:316-30

The properties of a stochastic model for two competing species

A stochastic model for studying the properties of certain biological systems by numerical methods has been described in an earlier paper - Leslie, 1958. 2 varieties of this model for the case of 2 competing spp. have been programmed for the Elliot-N.R.D.C. 401 computer & some results obtained are given.

FAO:sjh

G

Zinger, A. &

J.St. Pierre (1958) 59-0300

Biometrika, 45:436-46

On the choice of the best amongst three normal populations with known variances

Statistical decisions are investigated in the following 2 situations: 1) the problem of selecting the population with the largest mean - the case of the smallest is obviously similar -, given a probability of taking a wrong decision. 2) the problem of determining the smallest sample sizes required to detect the population with



59-0300  
(Card 2)  
largest mean, in the case of some given values for the non-centrality parameters. Those sample sizes depend on the probabilities of good & wrong decisions.

FAO:sjh

G

59-0304  
Crow, E.L. (1958)  
Biometrika, 45:556-9  
The mean deviation of the Poisson distribution  
  
Contents as per title.

FAO:sjh

G

Mendenhall, W. 59-0302  
& R.J. Hader (1958)  
Biometrika, 45:504-20  
Estimation of parameters of mixed exponentially distributed failure time distributions from censored life test data  
  
A statistical method which could be applied to the analysis of fish mortality from different causes.

FAO:sjh

G

59-0305  
Ramasubban, T.A. (1958)  
Biometrika, 45:549-56  
The mean difference and the mean deviation of some discontinuous distributions  
  
These statistics derived for hypergeometric, binomial, negative binomial & Poisson distributions.

FAO:sjh

G

Mendenhall, W. (1958) 59-0303  
Biometrika, 45:521-43  
A bibliography on life testing and related topics

The bibliography is arranged in alphabetical order of author's names, & card title is assigned a subject code - censored sampling; sampling with renewal; order statistics; extreme value theory; failure rates; fatigue & wear problems; machine productivity; system reliability; sensitivity data & dosage mortality curves.

FAO:sjh

G

59-0306  
International Oceanographic Foundation (1958)  
Sea Secrets, 2(10)

Answers to various biological & other questions received by the International Oceanographic Foundation; miscellaneous notes on marine life.

GLK:sjh

M

Wagner, N.K. (1958) 59-0307  
Trans.Amer.geophys.Un., 39:845-52  
An analysis of some over-water wind  
profile measurements

Results of measurement of wind-speed  
profiles in Gulf of Mexico. Functional  
relationships are derived between the  
various computed parameters & the wind  
speed at 10 meters.

TL:tl

M

Borgman, L.M. (1958) 59-0310  
Trans.Amer.geophys.Un., 39:885-8  
Computation of the ocean-wave forces  
on inclined cylinders

After a review of the assumptions in  
the wave force formula for vertical  
cylinders proposed by Morison, O'Brien,  
Johnson & Schaaf, 1950, a formula  
embodying the same assumptions is  
advanced for the determination of the  
wave forces on an arbitrarily  
oriented cylinder.

TL:lob

M

Prins, J.E. (1958) 59-0308  
Trans.Amer.geophys.Un., 39:865-74  
Characteristics of waves generated by  
a local disturbance

Waves generated by an initial local  
elevation or depression of uniform  
height were investigated in a two-  
dimensional model. The height of the  
elevation or depression, the extent of  
the disturbed area, & the water depth  
were varied. The model data were  
compared with various existing  
theories.

TL:tl

M

Tanner, W.F. (1958) 59-0311  
Trans.Amer.geophys.Un., 39:889-91  
The equilibrium beach

Discussion on the forces affecting  
the curvature & sand-prism  
characteristics of the beach & the  
possibilities of maintenance of certain  
beaches in equilibrium form.

TL:tl

M

Chew, F. (1958) 59-0309  
Trans.Amer.geophys.Un., 39:875-84  
An interpretation of the transverse  
component of the Geomagnetic Electro-  
Kinetograph readings in the Florida  
Straits off Miami

The transverse component of the  
Florida Current was studied by the  
Geomagnetic Electrokinetograph, GEK.  
Based on 422 GEK fixes taken over a  
5-year period, 2 constituent surface  
transverse components are shown to  
exist.

TL:fc

M

Brooks, C.F. & 59-0312  
M.S. Brooks (1958)  
Trans.Amer.geophys.Un., 39:52-7  
The accuracy of wind-speed estimates  
at sea

TL:

M

Verploegh, G. (1958) 59-0313  
Trans.Amer.geophys.Un., 39:968-70  
The accuracy of wind-speed estimates  
at sea

Discussion of 590312.

TL: M

Farlow, J.S. (1958) 59-0316  
Woods Hole Oceanographic Institution,  
18 p.

Project ice skate oceanographic data

Tabulated & graphical oceanographic  
data from the Arctic ocean.

TL:tl M

Brooks, E.S. (1958) 59-0314  
Trans.Amer.geophys.Un., 39:970  
The accuracy of wind-speed estimates  
at sea

Discussion of 590313.

TL: M

Metcalf, W.G. (1958) 59-0317  
Woods Hole Oceanographic Institution,  
127 p.

Oceanographic data from CRAWFORD cruise  
16, 1 Oct.-11 Dec. 1957, for the  
International Geophysical Year of  
1957-58

Tabulated & graphical oceanographic  
data from the central Atlantic ocean.

TL:tl M

Anonymous (1958) 59-0315  
Trans.Amer.geophys.Un., 39:1011-7  
IGY Bulletin - Oceanographic program:  
first twelve months

Discussion of the operations &  
preliminary results - Deep water ship  
operations; IGY island observatory  
program; & carbon-dioxide & radio-  
chemistry studies.

TL tl M

Nova Scotia Research 59-0318  
Foundation (1958)  
Halifax, 109 p.  
Selected bibliography on algae no. 4

Arranged by subject matter: chemical  
& physical studies, collection &  
preservation culture, ecology, noxious  
algae, physiology & biology, surveys,  
taxonomy & morphology, utilization.

GLK:tl MF



Romano, A. & C. Schlieper (1958) 59-0319  
Binnengewässer, 22

Die Biologie des Brackwassers (The  
biology of brackish waters)

Selected survey on the most important  
ecological & physiological  
particularities & problems according to  
the present knowledge. Chapters: I. The  
scale of salinity as environmental factor  
& the definition of brackish water; II.  
The ecological particularities of  
organisms setting in brackish waters;  
III. Brackish water considered as  
settlement area of both fresh & marine  
organisms & peculiar area of spp.

Thoits, C.F. III &

59-0322

J.W. Mullan (1958)

Fish.Bull.Mass., (24):16 p.

A compendium of the life history of the  
white perch Morone americana (Gmelin)

Summary of information on taxonomy,  
geographic & local distribution,  
morphology, food & feeding, growth,  
reproduction, embryonic development,  
genetics, behaviour, populations -  
standing crop, mortality & recruitment -  
pathology & relation to man.

WAD:glk

F

59-0319  
(Card 2)

settling the brackish water areas; IV.  
The zones of life in brackish waters;  
V. The types nomenclature of brackish  
waters. Chapter II.:The physiological  
particularities of the life in brackish  
water.

:dr

MF

Buchsbaum, R. &

59-0323

M. Buchsbaum (1957)

Pittsburgh 13, 192 p.

Basic ecology

Text book dealing with physical &  
living environment, community, period  
changes, succession, distribution,  
biomass & climatic gradients.

GLK:glk

MF

Bridges, C.H. &

59-0321

J.W. Mullan (1958)

Fish.Bull.Mass., (23):30 p.

A compendium of the life history and  
ecology of the eastern brook trout  
Salvelinus fontinalis (Mitchill)

Summary of information on taxonomy,  
geographic & local distribution,  
morphology, food & feeding, growth,  
reproduction, embryonic development,  
genetics, behaviour, populations -  
standing crop, mortality & recruitment -  
& pathology.

WAD:glk

F

Western Australia.

59-0324

Fisheries Department (1958)

Monthly Service Bulletin, 7(11):125-40

Departmental periodical giving notes  
on staff & their activities; notices of  
issuance of fishing licences,  
regulations & legal actions; information  
on seasons & results of crayfishery,  
pearling, humpback whaling. Notes  
concerning local research; miscellaneous  
information from abroad.

GLK:sjh

M

Serban, M. & C. Plesa (1957) 59-0325  
Izdanija, Skopje, 1:229-54  
 Notes sur les copépodes de la Mer Noire  
 (Notes on the copepods of the Black Sea).  
 En Ru

Description of Onychocamptus ponticus  
 n. sp., O. kliei Monard & O. mohammed  
 Blanch. & Rich.

FAO:glk

M

Prabhu, N.U. (1958) 59-0328  
Ann.math.Statist., 29:1234-43  
 Some exact results for the finite dam

Stationary distributions are obtained  
 for the cases where the release is a  
 unit amount of water per unit time, &  
 the input is of geometric, negative  
 binomial & Poisson type. Concludes with  
 a discussion of the problem of  
 emptiness in the finite dam & considers  
 the probability that, starting with an  
 arbitrary storage, the dam becomes  
 empty before it overflows.

FAO:nup

G

Gučorguiev, V.B. (1957) 59-0326  
Izdanija, Skopje, 2:17-29  
 Coléoptères aquatiques (Hydrocanthares)  
 de Rila et du Pirin - Les plus hautes  
 montagnes dans la Bulgarie  
 (Aquatic coleoptera, Hydrocanthares,  
 from Rila and Pirin, the highest  
 mountains of Bulgaria). Ru

Distribution & ecology of each sp.

FAO:glk

F

Epstein, B. (1958) 59-0329  
Ann.math.Statist., 29:1283  
 Tests for the validity of an exponential  
 distribution of life

Abstr. of paper presented to meeting  
 of the Institute, 25-28/8/58,  
 describing a number of alternative  
 procedures.

FAO:sjh

G

Hall, W.J. (1958) 59-0327  
Ann.math.Statist., 29:1079-94  
 Most economical multiple-decision  
 rules

Non-sequential multiple-decision  
 procedures for which the sample size is  
 a minimum subject to either lower  
 bounds on the probabilities of making  
 correct decisions or upper bounds on  
 the probabilities of making incorrect  
 decisions.

FAO:wjh

G

Epstein, B. (1958) 59-0330  
Ann.math.Statist., 29:1283-4  
 Stochastic models for length of life

Abstr. of paper presented to meeting  
 of the Institute, 25-28/8/58, in which  
 exponential, conditional probability  
 & extreme value models are analysed &  
 compared.

FAO:sjh

G

Pyko, R. & 59-0331  
 N.D. Ylvisaker (1958)  
Ann.math.Statist., 29:1287  
 Some population estimation models and  
 related limit distributions

Abstr. of paper presented at meeting  
 of the Instituto, 25-28/8/58, dealing  
 with tagging theory & applications.

FAO:sjh

G

De Buen, F. (1957) 59-0334  
Invest.zool.chil., 4:83-8  
 Suborden Luvaroidoi, nuevo para la  
 fauna Chilena (Suborden Luvaroidoi,  
 now for Chilean fauna). En

A Luvarus imperialis from Valparaiso is  
 described. This is the first record  
 from Chilean waters & Southern  
 Hemisphere. The only specimen is  
 deposited at the National Museum of  
 Natural History, Santiago de Chile.

HR:fd

M

Laurent, A.G. (1958) 59-0332  
Ann.math.Statist., 29:1288  
 A model for failure data and its  
 applications

Abstr. of paper read at meeting of the  
 Instituto 25-28/8/58, reporting features  
 of a mortality model which takes  
 account of ageing processes.

FAO:sjh

G

Mann, G.F. (1957) 59-0335  
Invest.zool.chil., 4:89-126  
 Clave de determinacion para las  
 especies de mamiferos silvestres de  
 Chile (Key to the determination of  
 wild spp. of Chilean mammals)

Ill. key incl. cetaceans.

HR:glk

M

De Buen, F. (1957) 59-0333  
Invest.zool.chil., 4:66-76  
 Los peces de la familia Molidae  
 (Fishes of the family Molidae). En

Description of the Chilean  
 representatives of the sunfishes  
 family, Molidae, are given based on  
 specimens deposited at the National  
 Museum Natural History, Santiago de  
 Chile, & also from records by several  
 authors. All belong to a single sp.  
Mola ramsayi.

HR:fd

M

De Buen, F. (1958) 59-0336  
Invest.zool.chil., 4:132-4  
 La familia Lipidotidae en Chile  
 (The family Lipidotidae in Chile).  
 En

Proposal of substitution of name.

HR:glk

M



De Buen, F. (1958) 59-0337  
Invest.zool.chil., 4:146-58  
 Ictiologia: la familia Ictaluridae  
 nueva para la fauna aclimatada de Chilo  
 y algunas consideraciones sobre los  
 Siluroidei indigenas (Ichthyology:  
 the family Ictaluridae new in the  
 acclimatised fauna of Chile and some  
 considerations of the indigenous  
 Siluroids). En

Description of Ictalurus melas & notes  
 on spp. of the families Diplomystidae,  
 Nematogenyini & Pygidini.

HR:glk

F

Munro, I.S.R. (1958) 59-0340  
Fish.News Lett.Aust., 17(10):17-20  
 Handbook of Australian fishes

Ill. notes on spp. Acanthocybium  
solandri, Sarda chilionsis australia,  
S. orientalis, Cybiosarda elegans,  
Gymnosarda nuda, Lathynnus alletteratus  
affinis, Katsuwonus pelamis, Auxis  
thazard, A. thynnoides, Istiophorus  
orientalis, Makaira audax, Tetrapturus  
angustirostris, Makaira ampla, M.  
howardi, Istiompax marlina, Xiphias  
gladius, Leionura atun, Roxea solandri,  
Lepidocybium flavobrunneum, Ruvettus

Bahamonde, N.N. (1958) 59-0338  
Invest.zool.chil., 4:183-92  
 Sobre la validez taxonomica de Para-  
stacus nicoleti (Philippi), 1882, y  
 algunos aspectos de su biologia  
 (On the taxonomic validity of Parastacus  
nicoleti Philippi, 1882, and some  
 aspects of its biology). En

Systematic & biological observations  
 are given concerning Parastacus  
nicoleti Phil. from Valdivia, Chile.  
 The sp. is clearly unlike from  
Parastacus pugnax Poeppig.

HR:nnb

F

59-0340  
 (Card 2)  
tydemani, Trichiurus coxii, T. haumela  
 & Lepturacanthus savala - Acantho-  
cybiidae, Sardidae, Katsuwonidae,  
Xiphiidae, Gempylidae & Trichiuridae.

GLK:sjh

MF

Csordas, S.E. (1958) 59-0339  
Aust.J.Sci., 21:87-8  
 Breeding of the fur seal, Arctocephalus  
forsteri Lesson, at Macquarie Island

Note on mass slaughter of this seal in  
 the decade 1810-1820, & persistent  
 sealing until 1919; account of  
 observations since 1955 showing  
 resumption of breeding by the seals on  
 the island & evidence of recolonisation.

GLK:glk

M

Wells, V. (1958) 59-0342  
Fish.News Lett.Aust., 17(10):29, 25  
 Surveying Aust. pearling bods

Continuation of 585076.

GLK:glk

M

Fridriksson, A. (Ed.) (1958) 59-0343  
Statist. News Lett., (6):32 p.  
 Herring - North Sea 1957 and Plaice-  
 North Sea 1948-1958 length and age  
 data

Landings of Clupea harengus by months,  
 rectangle, country, type of fishing  
 unit, catches per unit effort. Lengths  
 & age composition of Pleuronectes  
platessa in German landings, & research  
 vessel catches, by months & position.

FiBasjh

M

Brandes, C.H. 59-0346

& R. Dietrich (1958)  
Veröff. Inst. Meeresf., 5:299-305  
 Betrachtungen über die Beziehungen  
 zwischen dem Fett- und Wassergehalt und  
 die Fettverteilung bei Konsumfischen  
 (Considerations of the relations  
 between fat & water content & the  
 distribution of fat, in the body, by  
 commercial fish, species)

Study of Gadus callarias, Pollachius  
virons, Molanogrammus aeglefinus, Molva  
byrkelange, Anarrhichas lupus & A.  
minor.

GLK:sjh

M

Höhnk, W. (1958) 59-0344

Veröff. Inst. Meeresf., 5:211-56

Mykologische Abwasserstudie II  
 (Mycological pollution study II)

Study of the distribution of water  
 molds in the rivers of Hunte & Geeste -  
 tributaries to Weser - in relation to  
 pollution. Lists of spp. & their  
 relative abundance are given.

GLK:tl

F

Kinnie, O. (1958) 59-0347

Veröff. Inst. Meeresf., 5:306-12

Eine Temperatorkammer für Zuchtversuche  
 (A thermal chamber for rearing  
 experiments).

Description of the chamber where the  
 temperature is adjustable from -2°C to  
 +50°C & where annual & diurnal  
 temperature rhythms can be applied by  
 timeswitch.

GLK:tl

G

Lüneburg, H. (1958) 59-0345

Veröff. Inst. Meeresf., 5:257-97

Untersuchungen über den quantitativen  
 Wasser- und Sinkstofftransport im  
 Fedderwarder Priel (Wesermündung)  
 (Investigation of the quantitative  
 transport of water and suspended matter  
 in Fedderwarder Priel, estuary of  
 Weser)

The influence of the tides & the  
 prevailing direction of wind on the  
 transport are evaluated.

GLK:tl

MF

Wisniewski, T.F. (1958) 59-0348

Wat. & Sewage Wks., 105:235-41

Algae and their effects on D.O. and  
 B.O.D.

Experimental investigations of the  
 effects of algae on the laboratory.  
 Determination of increasing amounts  
 of algae of light & dark in incubating  
 samples containing algae upon oxygen  
 usage rates, & of the presence of dead  
 or decomposed algal cells. The  
 techniques used are described & results  
 obtained are tabulated.

:jsfa

F

Colo, LaMont, C. (1958) 59-0349  
Sci.Amer., 198(4):83-92  
The ecosphere

A general ossay on world ecology &  
the dynamics of biological production.

FAO:sjh

MF

Vantroys, L. (1958) 59-0352  
Bull.Com.contr.Océanogr., 10:469-83  
Les divers aspects mathématiques  
dynamiques ou cinématiques du problème  
des marées. Ière Partie. L'aspect  
analytique du problème des marées -  
Structure des solutions élémentaires du  
problème linéarisé et schématisé  
(The various dynamic mathematical or  
cinematic aspects of the problem of  
tides. I. The analytical aspect of the  
problem of tides. Structures of  
elementary solutions of the linearised  
or schomatised problem)

Equation of the problem, separation of

Kalmus, H. (1958) 59-0350  
Sci.Amer., 198(4):97-106  
The chemical senses

A popular review which briefly mentions  
olfactory senses of fish & other  
aquatic animals.

FAO:sjh

MF

59-0352  
(Card 2)  
variables, Laplacian critical  
latitudes, seiches, oceanic & littoral  
tides.

FAO:glk

M

Lacombe, H., P. Tchornia 59-0351  
& G. Benoist (1958)  
Bull.Com.contr.Océanogr., 10:454-68  
Contribution à l'étude hydrologique de  
la mer Egée en période d'été  
(Contribution to the hydrological study  
of the Aegean Sea in summer)

Hydrology - salinity - of the surface  
layer & deductions as to surface  
circulation; superficial & deep  
hydrology; the Mediterranean channels &  
exchanges between the Aegean & its  
Mediterranean channels.

FAO:glk

M

Berthois, L. (1958) 59-0354  
Bull.Com.contr.Océanogr., 10:484-97  
Observation des variations de la  
salinité et de la température sur une  
transversale Saint-Nazaire-Mindin, le  
8 juillet 1956 (Observations of  
salinity & temperature variations on a  
Saint-Nazaire-Mindin transect 8 July,  
1956)

Currents, salinity & temperature on  
each of the profiles.

FAO:glk

M



Anonymous (1958) 59-0355  
Bull. Com. contr. Océanogr., 10:509-15  
Observations hydrologiques des  
bâtiments de la Marine Nationale  
(Hydrological observations by units of  
the National Marine)

Temperature & salinity observations by  
ZELLES & LOTUS working from Tahiti, &  
by L'EMPORTER off the coast of Morocco.

FAO:glk

M

Vantroys, L. (1958) 59-0358  
Bull. Com. contr. Océanogr., 10:657-90  
Les divers aspects mathématiques  
dynamiques ou cinématiques du problème  
des marées - III<sup>e</sup> Partie. L'aspect  
ondulatoire du problème des marées  
(The various dynamic or cinematic  
mathematical aspects of the problem of  
tides. III. The undulatory aspect of  
the problem of tides)

Concepts of "wave" & of "colority" -  
the latter being the speed of  
progression of a wave, involving  
displacement but not advance of  
particles, & distinct from the speed of  
a current.

FAO:glk

II

Poluchon, G. (1958) 59-0356  
Bull. Com. contr. Océanogr., 10:637-41  
Commission Internationale pour  
l'Exploration Scientifique de la Mer  
Méditerranée - Compte rendu de la  
XVI<sup>e</sup> assemblée plénière  
(International Commission for the  
Scientific Exploration of the  
Mediterranean. Report of the 16th  
plenary session)

List of papers; resolutions in the  
field of oceanography.

FAO:glk

M

Hommoril, P. (1958) 59-0359  
Bull. Com. contr. Océanogr., 10:691-740  
Érosion et sédimentation à Saint-Aubin  
sur Mer (Calvados) 2<sup>ème</sup> Partie  
(Erosion and sedimentation at Saint-  
Aubin sur Mer, Calvados. II)

Characteristics of movable formations;  
concretions & pebbles; sand  
accumulations; granulometry, composition;  
mud accumulations. Continuation from  
585074.

FAO:glk

M

Bourcart, J. & 59-0357  
L. Glangeaud (1958)  
Bull. Com. contr. Océanogr., 10:642-56  
Perturbations sous-marines et courants  
de turbidité résultant du tremblement  
de terre d'Orléansville (Submarine  
disturbances & turbidity currents  
results from the earth tremor at  
Orléansville)

Topographic data; sedimentological  
study of dredge samples, discussion  
of the origin of the samples & of the  
turbidity currents, relations with  
regional tectonics. Appendix listing  
damages suffered by cables.

FAO:glk

M

Anonymous (1958) 59-0360  
Bull. Com. contr. Océanogr., 10:751-72  
Observations hydrologiques des  
bâtiments de la Marine Nationale  
(Hydrological observations by units of  
the National Marine)

Temperature & salinity observations by  
AVANTURE in Davis Strait, & at various  
situations; & by LOTUS working from  
Tahiti.

FAO:glk

M

Iman, A.K.E.S., 59-0361  
M. Lühmann & H. Mann (1958)  
Fischwirt, 8:249-59  
Über Neunaugen und Neunaugenfischerei  
in der Elbe (On lampreys and  
lamprey fishing in the river Elbe)

Account of biological data concerning  
the lower Elbe, with a review of  
catch & processing methods & results  
of the fat content tests.

FAO:hb

F

Schultz, H. (1958) 59-0364  
Fischereiforschung, 1(2):10-2  
Die Rostocker Heringsfischerei im  
Jahre 1957 (Review on the herring  
landings at Rostock in 1957)

Contents as per title.

GLK:dr

M

Hofmann, B. (1958) 59-0362  
Arch.FischWiss., 9(1):5-50  
Entwicklung und gegenwärtiger Stand der  
Dinkelsbühler Teichwirtschaft  
(Development and current state of the  
fish culture station of Dinkelsbühl)

Comprehensive description of the  
important Frankish carp culture station  
Dinkelsbühl, upper Franconia.

GLK:dr

F

Schemainda, R. (1958) 59-0365  
Fischereiforschung, 1(2):13-4  
Die Laichdorschverteilung auf den  
Fangplätzen der mittleren Ostsee im  
April 1958 (The distribution of  
spawning cods over the fishing areas  
of the central Baltic Sea during  
April 1958)

Discusses influences of hydrographical  
characters - temperature, salinity  
& oxygen content - on spawning cods.

GLK:dr

M

Zauch, J. 59-0363  
& G. Kajewsju (1958)  
Fischereiforschung, 1(2):1-6  
Zur Technologie des Lachsfanges  
(Methods applied for catching salmon)

Description of Polish methods with a  
view to their application by eastern  
German fishermen in the Baltic  
Sea.

GLK:dr

M

Freund, K. (1958) 59-0366  
Fischereiforschung, 1(2):17-20  
Fischmarkierungen - wichtiges  
Hilfsmittel der Fischereiforschung  
(Fish tagging, an important factor in  
the field of fisheries research)

General review as per title; lists of  
tagged fish which have been forwarded  
to the Institut für Hochseefischerei,  
Rostock, during 1957.

GLK:dr

M

Anonymous (1958) 59-0367  
Pesca Caza, (8):1-13  
 La Dirección de pesquería y caza en 1957  
 (The Directorate of fisheries and game  
 during 1957)

Description of the Directorate's  
 facilities & programme.

FAO:glk

MF

Chirinos de Vildoso, A. (1958) 59-0370  
Pesca Caza, (8):50-1  
 "Atún de ojo grande" Thunnus (Para-  
thunnus) sibi Temminck & Schlegel, en  
 la costa del Perú (The big-eye tuna  
Thunnus, Parathunnus, sibi Temminck &  
 Schlegel, on the coast of Peru)

Note on capture & identification of a  
 specimen in 1956 & discussion of  
 previous records of capture in the  
 eastern Pacific.

FAO:glk

M

Hartmann, G. (1958) 59-0368  
Pesca Caza, (8):15-29  
 Apuntes sobre la biología del camarón de  
 río, Cryphiops caementarius (Molina)  
 Palaemonidae, decapoda (On the  
 biology of the river shrimp, Cryphiops  
caementarius Molina, Palaemonidae,  
 decapoda)

Notes on systematic & geographic  
 distribution, reproduction, incl.  
 migration, food & enemies, population  
 size in the river Majes, & the fishery.

FAO:glk

F

Chirichigno, N.F. (1958) 59-0371  
Pesca Caza, (8):61-75  
 Glosario ictiológico - Medidas y  
 proporciones mas usadas (Ichthyo-  
 logical glossary - Measurements &  
 proportions most used)

Defines & ill. various terms relating  
 to dimensions, body shape,  
 modifications & parts of the head, &  
 scales. To be continued.

FAO:glk

MF

Iparraguirre, J. Cortez (1958) 59-0369  
Pesca Caza, (8):30-43  
 La industria de la pesca (The fishing  
 industry)

Statistics of catch by spp., disposal of  
 catch, quantities frozen & processed,  
 importations.

FAO:glk

M

Koepeke, H.-W. (1958) 59-0372  
Pesca Caza, (8):76-94  
 Invertebratos marinos comunes del Perú.  
 Parte II. Crustaceos en playas arenosas  
 (Common marine invertebratos of Peru.  
 Part II. Crustacea of sandy beaches)

Common name, characteristics, size,  
 geographic distribution, ecological  
 data, commercial value, systematic  
 position of Emerita analoga, E. emerita,  
Blepharipoda occidentalis, Lepidopa  
chilensis, Ocypode gaudichaudii, Coeno-  
bita compressus, Hapatus chilensis,  
Pseudocorystos sicarius, Aronacus  
mexicanus & Callianassa islagrande.  
 FAO:glk M



Maroc.Service Central 59-0373  
de Statistiques (1958)  
Rabat, 36 p.  
Bulletin mensuel de statistique no. 12  
(Monthly bulletin of statistics)

Incl. monthly table on fish landings,  
by areas, for the period August 1957 -  
August 1958.

FAO:sjh

M

Lundbock, (1958) 59-0376  
Arch.FischWiss., 9(1):40-5  
Der Zusammenbruch der kalifornischen  
Sardinenfischerei im Lichte moderner  
populationsdynamischer Untersuchungs-  
methoden (The breakdown of the  
Californian sardine fishing industry  
in the light of population dynamics  
investigations)

Abstr. of article "Population dynamics  
of the Pacific sardine" by Clark, F.M.  
& J.C. Marr, Progr.Rep.Calif.ocean.  
Fish.Invest., 1955, with general  
introduction.

GLK:dr

M

Kühl, H. (1958) 59-0374  
Arch.FischWiss., 9(1):1-8  
Die Verteilung des Fettes im Körper des  
Roten Thunes (Thunnus thynnus L.)  
(The fat content distribution of  
the blue-fin tuna, Thunnus thynnus L.)  
En

Describes results obtained by a small  
scale experiments carried out with  
tunas caught in the North Sea.

GLK:dr

M

Ritzhaupt, H. & 59-0377  
H. Schultz (1958)  
Fischereiforschung, 1(3):5-7  
Zur Horingsfischerei westlich  
Grossbritanniens (On the horring  
fisheries off Great Britain' west  
coast)

Describes the knowledge on horring  
populations & possibilities of the  
catch there actually to be carried out  
by luggars & trawlers of Rostock.

GLK:dr

M

Kühl, H. & H. Mann (1958) 59-0375  
Arch.FischWiss., 9(1):9-16  
Das Verhalten anorganischer Stickstoff-  
verbindungen im Mündungsgebiet eines  
Flusses (The behaviour of inorganic  
nitrogen compounds in a river  
estuary). En

Description of the scheme of the  
mineralisation of nitrogenous substances  
according to observations made at the  
Elbe, Weser & Ems, & experiments carried  
out in aquaria.

GLK:dr

MF

Biester, L. (1958) 59-0378  
Fischereiforschung, 1(3):7-10  
Die hydrographische und fischerei-  
biologische Situation des Fanggebietes  
Bäreninsel im Frühsommer 1958 (On  
the hydrographical & biological  
conditions of the production area of  
Bear Island during the early summer  
of 1958)

Review as per title with fish landings  
statistics of Rostock.

GLK:dr

M

Fender, K. (1958) 59-0379  
Fischereiforschung, 1(3):12-6  
Bemerkungen zur Bedeutung der Benthos-  
forschung für die Seefischerei  
(Notes on the importance of  
benthos research for sea fisheries)

Reviews the importance of bottom  
investigations & describes various types  
of bottom samples.

GLK:dr

M

Steinberg, R. (1958) 59-0382  
Ost.Fisch., 11:153-9  
Unterwassergeräusche und Fischerei  
(Underwater noises and  
fisheries)

Brief review of subject.

FAO:dr

MF

Bräutigam, R. (1958) 59-0380  
Fischereiforschung, 1(3):16-7  
Zur Reaktion von Garnele und Aal auf  
elektrisches Licht (On the reaction  
of shrimps and eels to electric light)

Describes experiments & reviews results  
of negative phototactic behaviour of  
eels. Proposes the application of  
electric light to increase the catch  
of traps along the coast of the Baltic  
Sea.

GLK:dr

M

Benda, H. (1958) 59-0383  
Ost.Fisch., 11:160-2  
Die Furunkulose der Fische - eine  
gefährliche Salmonidenseuche  
(Fish furunculosis - a dangerous  
epidemic of salmon)

Brief review of symptoms, & outlines  
how to combat furunculosis in hatcheries  
& natural salmon waters.

FAO:dr

F

Scholtz, I. (1958) 59-0381  
Fischereiforschung, 1(3):18  
Zur Dokumentation in der Fischwirtschaft  
(On fisheries documentation)

Notes on documentation  
service of the Institut  
für Hochseefischerei und Fischverar-  
beitung, Rostock-Marienhe.

GLK:dr

Krauss, W. (1958) 59-0384  
Ber.dtsch.Komm.Meeresforsch., 15:77-104  
Die hydrographischen Untersuchungen mit  
ANTON DOHRN auf dem ost- und west-  
grönländischen Schelf im September-  
Oktober 1955 (Hydrographical  
investigations with ANTON DOHRN on the  
east & west-Greenlandic shelf in  
September-October 1955). En

Description of oceanographic results  
& their comparisons with previous  
observations.

FAO:dr

M

Sahrhage, D. (1958) 59-0385  
Ber.dtsch.Komm.Meeresforsch., 15:105-31  
 Untersuchungen über die Vernichtung  
 untermassiger Schelfische durch die  
 deutsche Heringsschleppnetzfisherei in  
 der Nordsee (Investigations on the  
 destruction of undersized haddocks by  
 German herring-trawling in the North  
 Sea). En

Notes on the effect of herring trawl  
 on haddock population.

FAO:dr

M

Anonymous (1958) 59-0388  
New Scient., 4:1472-  
 The seals and the fishermen

Notice of governmental action to  
 control seal populations on the Faroe  
 Islands, & discussion of the value of  
 sealing elsewhere in the world & its  
 control.

FAO:glk

M

Hempel, G. (1958) 59-0386  
Ber.dtsch.Komm.Meeresforsch., 15:132-44  
 Zur Beziehung zwischen Bestandsdichte  
 und Wachstum in der Schollenbevölkerung  
 der Deutschen Bucht (On the relation  
 of stock density and growth of  
 German Bight plaice population).  
 En

Describes the effect of short-time  
 natural fluctuations of stock density on  
 growth derived from data of the mean  
 number, age composition & mean length at  
 age of plaice in catch per unit effort.

FAO:dr

M

Munro, I.S.R. (1958) 59-0389  
Fish.News Lett.Aust., 17(11):17-20  
 Handbook of Australian fishes

Ill. notes on spp. Lepidopus lex,  
Benthodesmus elongatus, Assurger anzac,  
Luvarus imperialis, Centrolophus  
maoricus, Mupus tasmanica, M. imperialis,  
Schedophilus maculatus, Psonopsis  
humerosus, Hyperoglyphe porosa, Serio-  
lella brama, S. maculata, S. porosa, S.  
nool, Cubiceps baxteri, Nomeus albula,  
Psones cyanophrys, P. whitologgii, P.  
hilli, Tetragonurus cuvieri (Lepidopidae,  
Luvaridae, Centrolophidae, Nomeidae,  
 & Tetragonuridae).  
 GLK:sjh

MF

Schmidt, U. (1958) 59-0387  
Ber.dtsch.Komm.Meeresforsch., 15:145-58  
 Die deutschen Köhleranlandungen 1946/47-  
 1956-57 aus norwegischen und isländischen  
 Gewässern und ihre Abhängigkeit vom  
 Fischbestand (The German coalfish  
 catch in Icelandic and Norwegian  
 waters during 1946-47 - 1956-57 and its  
 dependence on the stock). En

Analysis of age & length composition of  
 the stock according to landings, with  
 a view to an interchange between isolated  
 populations & sudden appearance or  
 disappearance of various size-groups in  
 different areas.

FAO:dr

M

Wells, V. (1958) 59-0390  
Fish.News Lett.Aust., 17(11):29  
 Surveying Aust. pearling bods

Continuation of 59-0342.

GLK:

M



<p>Blench, T. (1957) 59-0391  <u>Butterworth Scientific Publ.</u>, 138 p.  Regime behaviour of canals and rivers</p> <p>A general theory of the hydrology of growing waters.</p> <p style="text-align: right;">F</p>	<p>Seuntjens, H. &amp; 59-0394  W.G. Braams (1958)  <u>Nature, Lond.</u>, 182:1611-2  An electron-microscopic study of the ciliature of the Trochophore larva</p> <p>Describes structure &amp; relates it to movement.</p> <p style="text-align: right;">GLK:wad M</p>
<p>Edwards, C. (1958) 59-0392  <u>Nature, Lond.</u>, 182:1564-5  Hydromedusae new to the British list from the Firth of Clyde</p> <p>Based on a survey, 1956-58, records the occurrence of <u>Platocnide borealis</u>, <u>Bougainvillia muscoides</u>, <u>B. macloviana</u>, &amp; <u>Tiaranna rotunda</u>; suggests that the young stages of the latter sp. may be identical with <u>Modeeria formosa</u>.</p> <p style="text-align: right;">GLK:wad M</p>	<p>Marr, D.H.A. (1958) 59-0395  <u>Nature, Lond.</u>, 182:1621-2  Analogies between the compensatory responses of fish and crustacea to horizontal displacement of the body</p> <p>Describes experiments with <u>Palaemon serratus</u>, <u>P. elegans</u> &amp; <u>P. montagui</u>, &amp; discusses the mechanisms that detect the displacement.</p> <p style="text-align: right;">GLK:wad M</p>
<p>Wells, G.P. (1958) 59-0393  <u>Nature, Lond.</u>, 182:1609-10  Giant nerve cells and fibres in <u>Arenicola clapedii</u> (Polychaeta)</p> <p>Describes their presence in a sp. previously thought to lack them.</p> <p style="text-align: right;">GLK:wad M</p>	<p>Hogben, C.A.M. (1958) 59-0396  <u>Nature, Lond.</u>, 182:1622  The teleostean swim-bladder</p> <p>Describes experiments with <u>Pollachius virens</u> indicating that its isolated surviving gas gland epithelium selectively extrudes hydrogen ion into the solution bathing its serosal surface.</p> <p style="text-align: right;">GLK:wad M</p>

Burdick, G.E. (1957) 59-0397  
N.Y. Fish Game J., 4(1):102-8

A graphical method for deriving  
threshold values of toxicity and the  
equation of the toxicity curve

Hypothesis that curvature in  
logarithmic plots of concentration  
against time for death in toxicity  
studies is induced by failure of the  
effective range to conform to the axes  
of the paper. Graphical method is  
presented by which correctives may be  
approximated & an equation for the  
original curve derived.

SJH:sjh

G

Schultz, L.P. (1958) 59-0398

Bull.U.S.nat.Mus., (214):143 p.  
Review of the parrotfishes, family  
Scaridae

Utinomi, H. (1958) 59-0400  
Bull.Brit.Mus.(nat.Hist.), 5(5):99-121

A revision of the genera Nidalia and  
Bellonella, with an emendation of  
nomenclature and taxonomic definitions  
for the family Nidaliidae (Octocorallia,  
Alcyonacea)

Ghana. Fisheries 59-0401

Department (1958)  
Govt. Printer, Accra, 15 p.  
Annual report of the Fisheries  
Department, 1957

Account of fisheries, incl. catch  
statistics, under headings: Motor  
fishing vessels; Fishing centres; The  
trawl catch; Line fishing; Sardinella;  
Sot nets; Training; Maintenance; Tema  
fishing harbour; Northern Ghana,  
instruction schemes; Stocking & fish  
culture; Snail control; Onchocerciasis  
& the simulium fly; The Volta creeks;  
The oyster fishery; Pineapple canning;  
Staff; Finance.

FiB:sjh

MF

Freeman, P. (1958) 59-0399  
Bull.Brit.Mus.(nat.Hist.), 6(11):261-363

A study of the Chironomidae (Diptera)  
of Africa south of the Sahara

Woods Hole Laboratory (1958) 59-0402

Woods Hole, Massachusetts, 19 p.  
Summary of 1956-1957 tagging  
operations

Lists location, date, number, type of  
tag, also ill., for cod, dogfish,  
haddock, halibut, redfish, scallops,  
"whiting", winter flounder, yellowtail,  
pollock, butterfish & sturgeon.

SJH:sjh

M

Spain, Laws, 59-0403  
Statutes, etc. (1957)  
Bol.of.Est., (34):654  
Orden por la que se dictan normas para la circulación, transporte y venta de crustáceos y moluscos en tiempo de veda (Order regulating the movement, transport and sale of crustaceans and molluscs during the close season) - 30 January 1957

MF

Netherlands, Laws, 59-0406  
Statutes, etc. (1957)  
Staatsblad, text 7, 29 Jan.1957:11  
Decree specifying certain measures relative to the establishment of the Fisheries Association - 17 January 1957

MF

Spain, Laws, 59-0404  
Statutes, etc. (1957)  
Bol.of.Est., (38):751  
Orden por la que se establece la veda de la sardina en los litorales Cantábrico y Noroeste, desde el 15 de febrero al 15 de abril del año actual (Order establishing the closed season for sardine fishing on the Cantabrian & Northwest coasts as from 15 February to 15 April 1957) - 5 February 1957

M

Netherlands. Laws, 59-0407  
Statutes, etc. (1957)  
Staatscourant, (57) 21 March 1957:4  
Order no. 730/Directie v. Visserijen, issued by the Minister of Agriculture, Fisheries etc., establishing the amount of taxes payable for improvement of inland fishing - 19 March 1957  
For the period 1 June 1957-31 May 1958.

:mlr

F

U.K. Laws, 59-0405  
Statutes, etc. (1957)  
Statut.Instr., (2084):1 C.L. 156  
Whaling industry (Ship) (Amendment) Regulations, 1956 - 1 January 1957

Under Whaling Industry (Regulation) Act, 1934, as amended by the Sea Fish Industry Act, 1938 & under the Whaling Industry (Sperm whales) Order, 1937, amends the 1955 regulations (Statut.Instr., (1973) ) in relation to the quota of blue whale units & the daily return of statistics.

:mlr

M

Western Australia, Laws, 59-0408  
Statutes, etc. (1957)  
Govt.Gaz.West.Aust., (2) 11 Jan.1957:22  
Fisheries Act, 1905-1951. Proclamation. F.D. 61/43, Ex.Co. No. 2094 - 20 December 1956

Nots having meshes of not less than 2 $\frac{1}{2}$  inches throughout shall be lawful nets in the whole of Western Australian waters known as Broke Inlet- or Brookes' Inlet.

:mlr



Canada. Laws,  
Statutes, etc. (1957)  
Canada Gaz., (3)13 Feb. 1957:147, 149  
DORS/57-26. Décret C.P. 1957-64:  
Règlement sur la protection des  
pêcheries côtières, en vertu de la loi  
sur la protection des pêcheries  
côtières - (SOR/57-26. Order in  
Council 1957-64: Coastal fisheries  
protection regulations, pursuant to the  
coastal fisheries protection act)- 17  
January 1957

Sets forth conditions to enter any port  
on the Atlantic coast of Canada fishing  
vessels of the U.S. & to enter any

59-0409  
(Card 2)  
port of Nova Scotia or Newfoundland  
fishing vessels other than U.S. ones.

:mlr

M

Peru. Laws,  
Statutes, etc. (1957)  
Peruano, (4759) 1 Feb. 1957:1  
Resolución Ministerial no. 61. Prórroga  
de plazo para el registro de empresas  
industriales pesqueras (Ministerial  
Resolution no. 61 extending the time-  
limit for registration of fisheries  
undertakings) - 10 January 1957

Extends until 18/2/1957 the deadline  
fixed by Ministerial Resolution  
no. 3058 of 12/12/56 for undertakings  
to comply with current registration  
requirements.

:mlr

MF

Netherlands. Laws,  
Statutes, etc. (1957)  
Staatscourant, (63):5  
Order no. J 244/AWJZ, issued by the  
Minister of Agriculture, Fisheries,  
etc., amending the order relative to  
the monopoly (for import-export) of  
fish and fish products (Fish oil) -  
26 March 1957

Canada. Laws,  
Statutes, etc. (1957)  
Canada Gaz., (7):268, 264  
DORS/57-97. Décret C.P. 1957-372:  
Règlement de 1957 sur la pêche du  
flétan dans le Pacifique, en vertu de  
la loi sur la Convention relative à la  
pêche du flétan dans le Pacifique  
septentrional (SOR/57-97. Order in  
Council 1957-372: Pacific halibut  
fishery regulations 1957, pursuant to  
the Northern Pacific halibut fishery  
convention Act) - 21 March 1957

Revokes the Pacific halibut fishery  
regulations 1956 made by order in

59-0413  
(Card 2)  
Council P.C. 1956-561 of 12.4.56, &  
makes the annexed Pacific halibut  
fishery regulations 1957 in  
substitution therefor.

:mlr

M

Italy. Laws, 59-0415

Statutes, etc. (1957)

Gazz.uff., (96):1396

Decree no. 1686 of the President of the Republic giving executive effect to the agreements between Italy and Yugoslavia relative to special deliveries and to fishing by Italian fishermen in Yugoslav waters, with accompanying exchange of notes, concluded in Belgrade on 1 March 1956 - 2 December 1956

M

59-0417  
(Card 2)

with the schedule hereto. Those regulations were published in "Food & Agricultural Legislation", vol. V.

:mlr

MF

Canada, Laws, 59-0416

Statutes, etc. (1957)

Canada Gaz., (7):299, 294

DORS/57-105. Décret C.P. 1957-390

modifiant le règlement sur l'inspection des grands bateaux de pêche en vertu de la loi sur la marine marchande du Canada (SOR/57-105. Order in council 1957-390 amending the large fishing vessel inspection regulations) - 21 March 1957

Amends the regulations made by order in council P.C. 1956-1077 of 12.7.1956, as amended (SOR/56-346), in accordance with the schedule hereto.

:mlr

M

Japan. Laws,

59-0419

Statutes, etc. (1957)

Off.Gaz., (9.039):250

Agric.-Forestry Ministry notification no. 121. Special temporary exceptions for the maximum limit of number of vessels, total gross tons, and total horse power of small type drag-net-fisheries, by kinds that are permissible under the fisheries law - undated

M

Canada. Laws, 59-0417

Statutes, etc. (1957)

Canada Gaz., (7):300, 296

DORS/57-106. Décret C.P. 1957-391

modifiant le règlement sur l'inspection des petits bateaux de pêche, en vertu de la loi sur la marine marchande du Canada (SOR/57-106. Order in council P.C. 1957-391 amending the small fishing vessel inspection regulations, pursuant to the Canada shipping act) - 21 March 1957

Amends the regulations made by order in council P.C. 1956-150 of 25.1.1956, as amended (SOR/56-449), in accordance

Canada. Laws, 59-0420

Statutes, etc., (1957)

Canada Gaz., (5):216, 215

DORS/57-67. Décret C.P. 1957-271: Règlement de la convention pour les pêcheries de l'Atlantique nord-ouest, en vertu de la loi sur la convention pour les pêcheries de l'Atlantique nord-ouest (SOR/57-67. Order in council P.C. 1957-271: Northwest Atlantic fisheries convention regulations, pursuant to the Northwest Atlantic fisheries convention act) - 28 Feb. 1957

Revokes the Northwest Atlantic fisheries convention regulations made

59-0420  
(Card 2)  
by order in council P.C. 1954-824 of  
3.6.1954; & approves the annexed  
Northwest Atlantic fisheries convention  
regulations in substitution thereof.

:mlr

M

Canada. Laws, 59-0424  
Statutes, etc. (1957)  
Canada Gaz., (6):241, 239  
DORS/57-81. Décret C.P. 1957-298: pêche  
du harong dans le sous-arondissement  
septentrional de l'arrondissement n°2,  
Colombie-Britannique, en vertu de la loi  
sur les pêcheries (SOR/57-81. Order  
in council P.C. 1957-298: herring  
fishing, northern sub-district of  
district no. 2, British Columbia) -  
7 March 1957

Establishes that herring may be fished  
for, caught or killed by means of purse  
 seines or trawl nets until March 15,

Canada. Laws, 59-0422  
Statutes, etc. (1957)  
Canada Gaz., (6):236, 234  
DOR/57-78. Décret C.P. 1957-295 modifiant  
le règlement de pêche du Nouveau-  
Brunswick, en vertu de la loi sur les  
pêcheries (SOR/57-78. Order in  
council P.C. 1957-295 amending the New  
Brunswick fishery regulations, pursuant  
to section 34 of the fisheries act) -  
7 March 1957

Amends the regulations made by order in  
council P.C. 1954-1908 of 8.12.1954, as  
amended, in accordance with the annexed  
schedule.

:mlr

MF

59-0424  
(Card 2)  
1957 inclusive, in the northern sub-  
district of district no. 2, up to a  
limit of 50,000 tons.

Mlr

M

Canada. Laws, 59-0423  
Statutes, etc. (1957)  
Canada Gaz., (6):238-236  
DORS/57-79. Décret C.P. 1957-296  
modifiant le règlement de pêche du  
Québec, en vertu de la loi sur les  
pêcheries (SOR/57-79. Order in  
council P.C. 1957-296 amending the  
Quebec fishery regulations, pursuant to  
the fisheries act) - 7 March 1957

Amends the regulations made by order in  
council P.C. 1954-2027, as amended, in  
accordance with the annexed schedule.

:mlr

MF

Canada. Laws, 59-0426  
Statutes, etc. (1957)  
Canada Gaz., (6):242-40  
DORS/57-82 Décret C.P. 1957-299  
modifiant le règlement de pêche du  
Yukon (SOR/57-82. Order in council  
1957-299 amending the Yukon fishery  
regulations) - 7 March 1957

Amends the regulations made by order in  
council P.C. 1954-460 of 31.3.1954.

:mlr

MF



<p>Canada. Laws, 59-0427  Statutes, etc. (1957)  <u>Canada Gaz.</u>, (7):301, 297  DORS/57-107. Décret C.P. 1957-392:  règlement sur la prévention de la  pollution par les hydrocarbures, en  vertu de la loi sur la marine marchande  du Canada (SOR/57-107. Order in  council P.C. 1957-392: oil pollution  prevention regulations, pursuant to the  Canada shipping act) - 21 March 1957</p> <p>Makes regulations respecting the  prevention of the pollution by oil from  ships of the inland, minor &amp; other  waters of Canada.</p> <p>:mlr MF</p>	<p>Norway, Laws, 59-0430  Statutes, etc. (1957)  <u>Norsk Lovtid.</u>, (6):172  Resolution on provisions governing the  protection of seal in 1957 - 25 Jan.  1957</p> <p>Specifies the various dates &amp; time  limits &amp; water to which Norwegian  seal-fishing vessels are subject on  pain of the prescribed penalties.</p> <p>:mlr M</p>
<p>Japan. Laws, 59-0428  Statutes, etc. (1957)  <u>Off.Gaz.</u>, (9.028):460  Prime Minister's office notification  no. 57. Matters related to the districts,  periods, and conditions of restrictions  and prohibition of fishing boat  operation - undated</p> <p>MF</p>	<p>Norway. Laws, 59-0431  Statutes, etc. (1957)  <u>Norsk Lovtid.</u>, (9):229  Resolution amending art. 7 of the  salt water fishing regulations -  15 Feb. 1957</p> <p>The amended art. 7 provides that  plaice fishing shall be prohibited  between 1 March &amp; 31 May, inclusive.</p> <p>:mlr MF</p>
<p>Japan, Laws, 59-0429  Statutes, etc. (1957)  <u>Off.Gaz.</u>, (9.052):547  Prime Minister's office notification  no. 67 - Partial amendment to the  notification for determining districts,  periods, and terms for restriction or  prohibition of fishing boat operations</p> <p>MF</p>	<p>Peru. Laws, 59-0432  Statutes, etc. (1957)  <u>Peruano</u>, (4790):1  Resolución suprema no. 38. La pesca del  merlin negro (Supreme resolution  no. 38 relative to fishing of the black  marlin) - 27 Feb. 1957</p> <p>Prohibits fishing of black marlin,  <u>Makaira marlina</u>, &amp; sailfish, <u>Istiophorus</u>  <u>greyi</u>, except for sporting purposes.</p> <p>:mlr M</p>

Sweden, Laws, 59-0433  
Statutes, etc. (1957)  
Svensk Författningss., (625-626):1417  
Royal order no. 625 specifying certain  
protective regulations in relation to  
plaice, flounder & cod-fishing in the  
Pacific - 21 Dec. 1956

M

Nyasaland. Laws, 59-0436  
Statutes, etc. (1957)  
Nyasaland Govt. Gaz., (Suppl.):33  
Ordinance no. 8 of 1957. Fisheries  
(Amendment) ordinance, 1957 - 9 Feb.  
1957

Amends secs. 2,4,8 & 14 of the  
principal ordinance of 1949, & repeals  
& replaces sec. 15.

:mlr

MF

U.K. Laws, 59-434  
Statutes, etc. (1957)  
Statut.Instr., (368):  
The Lancashire River Board (Fisheries)  
order, 1957 - 17 Jan. 1957

This order modifies sec. 61 of the  
salmon & freshwater fisheries act, 1923,  
so that in the river Lune estuary area  
of the Lancashire River Board, only the  
person to whom a licence for a heave net  
has been granted may use it.

:mlr

MF

Spain. Laws, 59-0437  
Statutes, etc. (1957)  
Bol.of.Est., (98):64  
Orden por la que se aclara la de 18 de  
diciembre de 1950 sobre las dimensiones  
mínimas de los moluscos bivalvos que se  
citan (Order clarifying the order  
of 18 December 1950 relative to  
minimum dimensions of bivalve  
molluscs as referred to) - 7 March 1957

II

U.K. Laws 59-0435  
Statutes, etc. (1957)  
Statut.Instr., (604)  
The Wye River Board area (eels and  
elvers) order, 1957 - 4 Feb. 1957

This order empowers the Wye River Board  
to make byelaws in respect of eel  
fisheries & elver fisheries & extends  
the provisions of the salmon & freshwater  
fisheries acts, 1923-1935 relating to  
licences, prohibited modes of fishing  
& the prohibition of using roe, to those  
fisheries.

:mlr

MF

Canada. Laws, 59-0438  
Statutes, etc. (1957)  
Canada Gaz., (7):267, 263  
DORS/57-96. Décret C.P. 1957-371:  
distribution de la subvention pour  
l'année 1956-1957, en vertu de la loi  
sur les pêches maritimes (SOR/57-96.  
Order in council P.C. 1957-371:  
distribution of grant for 1956-57,  
pursuant to the deep sea fisheries act)  
- 21 March 1957

Authorizes payment out of the  
consolidated revenue fund of a grant of  
\$160,000. for the purposes of the act  
for the year 1956-57.

:mlr

M

New South Wales. 59-0439  
Laws, Statutes, etc. (1957)  
Govt.Gaz.N.S.W., (16):318  
Fisheries and oyster farms act, 1935-  
1949 - Regulation - 1 Feb. 1957

Pursuance of the provisions of the  
fisheries and oyster farms act, 1935-  
1949 amends the regulations made there-  
under by omitting reg. 18 & by inserting  
thereof the present regulations -  
Garfish-net (Bull-ringing, Garfish-net  
(Hauling)).

mlr

MF

New Zealand. Laws, 59-0442  
Statutes, etc. (1957)  
Butterworth's curr.Legisl.Cas., (77):5  
Fisheries amendment act 1956 - 26 Oct.  
1956

MF

Belgium. Laws, 59-0440  
Statutes, etc. (1957)  
Monit. belge, (149):3846

Loi autorisant le Roi à prescrire des  
mesures en vue de protéger les réserves  
de poissons, de crustacés et de  
mollusques en mer (Act authorizing  
the Crown to prescribe measures designed  
to protect ocean fishing reserves of  
fish, crustaceans and molluscs) - 12  
April 1957

Authorizes agents of the Crown e.g.  
police, customs, etc., to enforce the  
measures aforesaid & particularly to  
protect spawn, fry & young fish from  
destruction.

mlr

M

U.S.. Laws, 59-0443  
Statutes, etc. (1957)  
Fed.Regist., U.S., 22(52):1721  
CFR title 50: - Chapt. III - Subchapt.  
B; International Whaling Commission -  
Part 351: whaling - republication of  
regulations - 12 March 1957

M

Iraq, Laws, 59-0441  
Statutes, etc. (1957)  
Off.Gaz., Iraq, (3945):3  
Ordinance no. 1 of 1957 prohibiting  
fishing in certain localities in  
application of act no. 57 of 1938 -  
19 Jan. 1957

MF

Canada. Laws, 59-0444  
Statutes, etc. (1957)  
Canada Gaz., (8):451, 434  
DORS/57-146. Avis:propagation du  
poisson dans le lac Randall, comté de  
Lunenburg, Nouvelle-Ecosse en vertu de  
la loi sur les pêcheries (SOR/57-  
146. Notice: propagation of fish in  
Randall lake, Lunenburg county, N.S.,  
pursuant to the fisheries act - 24  
March 1957

Orders that Randall lake, Lunenburg  
county, Nova Scotia, be set apart for  
the propagation of fish from April 15,  
1957 until April 14, 1958, both days  
inclusivo.

mlr

F



Canada, Laws, 59-0445  
Statutes, etc. (1957)  
Canada Gaz., (8):452, 435  
DORS/57-147. Avis: propagation du poisson dans le lac Ritchie, comté de Kings, Nouveau-Brunswick, en vertu de la loi sur les pêcheries (SOR/57-147. Notice: propagation of fish in Ritchie lake, Kings county, N.B., pursuant to the fisheries act - 24 March 1957

Authorizes that Ritchie lake, Kings county, New Brunswick, set apart for the propagation of fish by SOR/55-217 of 10.6.1955, SOR/55-217, is no longer set apart for the propagation of fish.

:mlr

F

Finland. Laws, 59-0448  
Statutes, etc. (1957)  
Finl.Författningss., (129-134):361  
Resolution no. 134 of the Ministry of Agriculture prohibiting fishing in certain waters - 27 March 1957

Prohibits all fishing between Sept. 1 & Nov. 30, for the period 1957-1961 in the area roughly defined by lines running from Jokisuonselkä on lake Inari to Ivaljojoensuun - Hämahäkinien - Jaarasaari-Nangunniemi, in Lapland, & to be more exactly specified by the forestry service.

:mlr

F

U.S. Laws, 59-0446  
Statutes, etc. (1957)  
Fed.Regist., U.S., (76):2735  
CFR title 50 - Part 301: Pacific halibut fisheries - 10 April 1957

Regulations of the International Pacific Halibut Commission adopted pursuant to the Pacific halibut fishery convention between the U.S.A. & Canada, signed March 2, 1953.

:mlr

M

France. Laws, 59-0449  
Statutes, etc. (1957)  
J.off.Républ.franc., (70):3075  
Loi n° 57-352 relative à la pêche fluviale (Act no. 57-352 relative to river-fishing) - 22 March 1957

Provides for the addition of an art. 439-1 to the rural code, specifying penalties applicable to the unauthorized introduction into national waters of fish & crustaceans designated by law as particularly harmful, or of a sp. not already present in national waters.

:mlr

F

Finland. Laws, 59-0447  
Statutes, etc. (1957)  
Finl.Författningss., (91-94):266  
Resolution no. 94 of the Ministry of Agriculture prohibiting fishing in certain waters - 14 Feb. 1957

Prohibits the catching of fish in certain waters belonging to the Helsinki municipality & the commune of Espoo until the end of the year 1961.

:mlr

F

France. Laws, 59-0450  
Statutes, etc. (1957)  
J.off.Républ.franc., (71):3111  
Loi n° 57-362 modifiant divers articles du code rural relatifs à la pêche fluviale (Act no.57-362 amending various articles of the rural code relative to river fishing) - 23 March 1957

Amends arts. 401,428,431,440,444,464, 478,479 & 500 of the rural code relative inter alia to restrictions on fishing rights & licences, on fishing in certain navigation routes, use of certain fishing gear, authorities competent to

<p>59-0450 (Card 2)</p> <p>impose penalties for infractions, reports on infractions, penalties, etc.</p> <p>:mlr F</p>	<p>Canada. Laws, 59-0454 Statutes, etc. (1957) Canada Gaz., (8):360, 352 DORS/57-128. Décret C.P. 1957-466 modifiant le règlement de pêche de la Colombie Britannique, en vertu de la loi sur les pêcheries (SOR/57-128. Order in council P.C. 1957-466 to amend the British Columbia fishery regulations, pursuant to the fisheries act) - 4 April 1957</p> <p>Amends the regulations made by order in council P.C. 1954-1910 of 8.12.54 (SOR/54-659), as amended (SOR/57-110), in accordance with the schedule hereto. :mlr MF</p>
<p>Canada. Laws, 59-0452 Statutes, etc. (1957) Canada Gaz., (8):370, 361 DORS/57-133. Décret C.P. 1957-492: règlement sur la délivrance de permis aux petits bâtiments, en vertu de la loi sur la marine marchande du Canada (SOR/57-133. Order in council P.C. 1957- 492: small vessel licensing regulations pursuant to the Canada shipping act) - 4 April 1957</p> <p>Revokes the regulations made by order in council P.C. 1954-1742 of 18.11.54 (SOR/54-556), &amp; makes the annexed small vessel licensing regulations in substitution therefor. :mlr MF</p>	<p>Canada. Laws, 59-0455 Statutes, etc. (1957) Canada Gaz., (8):364, 355 DORS/57-129. Décret C.P. 1957-467 modifiant le règlement de chasse à la baleine, en vertu de la loi sur la convention concernant la chasse à la baleine (SOR/57-129. Order in council P.C. 1957-467 to amend the whaling regulations, pursuant to the whaling convention act) - 4 April 1957</p> <p>Amends the regulations made by order in council P.C. 1954-1726 of 18.11.54 (SOR/54-540), as amended (SOR/57-83). :mlr M</p>
<p>Western Australia. Laws, 59-0453 Statutes, etc. (1957) Govt.Gaz.W.A., (31):1027 Fisheries act, 1905-1956. Proclamation - 27 March 1957</p> <p>Prohibits the taking by any means whatsoever of the fish known as or called "crayfish" in all Western Australian waters specified in the schedule hereto for a period of 3 years from 1 April 1957.</p> <p>:mlr M</p>	<p>Canada. Laws, 59-0456 Statutes, etc. (1957) Canada Gaz., (8):375, 366 DORS/57-134. Décret C.P. 1957-506 modifiant le règlement de pêche du Manitoba, en vertu de la loi sur les pêcheries (SOR/57-134. Order in council 1957-506 to amend the Manitoba fishery regulations, pursuant to the fisheries act) - 11 April 1957</p> <p>Amends the regulations made by order in council P.C. 1954-1201 of 18.8.54 (SOR/54-365), as amended (SOR/56-186), in accordance with the schedule hereto. :mlr MF</p>

Canada. Laws, 59-0457  
Statutes, etc. (1957)  
Canada Gaz., (8):381, 372  
DORS/57-135. Décret C.P. 1957-507:  
règlement de pêche de homard, en vertu  
de la loi sur les pêcheries (SOR/57-  
135. Order in council 1957-507: lobster  
fishery regulations, pursuant to the  
fisheries act) - 11 April 1957

Revokes the regulations made by order  
in council P.C. 1954-1108 of 22.7.54  
(SOR/54-324), as amended (SOR/56-161),  
& makes the annexed regulations in  
substitution therefor.

:mlr

M

Spain. Laws, 59-0460  
Statutes, etc. (1957)  
Bol. of Est., (163):2566  
Resolución de la dirección general de  
Montes por la que se modifica el  
comienzo de la veda para la pesca del  
salmón (Resolution by the  
Directorate General Forests modifying  
the date of commencement of the close  
season for salmon fishing) - 13 June  
1957

MF

Canada. Laws, 59-0458  
Statutes, etc. (1957)  
Canada Gaz., (8):388, 379  
DORS/57-136. Décret C.P. 1957-508  
modifiant le règlement sur l'inspection  
du poisson, en vertu de la loi sur  
l'inspection du poisson (SOR/57-136.  
Order in council 1957-508 to amend the  
fish inspection regulations, pursuant  
to the fish inspection act) - 11 April  
1957

Amends the regulations made by order in  
council P.C. 1954-1973 of 16.12.54  
(SOR/54-693), as amended (SOR/57-112).

:mlr

MF

U.S. Laws, 59-0461  
Statutes, etc. (1957)  
Fed. Regist., U.S., (68):2346  
CFR title 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - Part 102:  
general provisions - Licence required of  
salmon net fishermen - 4 April 1957

MF

Finland. Laws, 59-0459  
Statutes, etc. (1957)  
Finl. Författnings., (139-142):368  
Act no. 140 amending para. 34 of the  
fisheries act of 28 September 1951 -  
29 March 1957

Amends art. 34 of the fishery law  
whereby pikeperch is protected during  
the month of June.

:mlr

F

U.S. Laws, 59-0462  
Statutes, etc. (1957)  
Fed. Regist., U.S., (70)Part I:2415  
CFR title 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - Part 108:  
Kodiak area - closed season, king crabs -  
9 April 1957

M



U.S. Laws, 59-0463  
Statutes, etc. (1957)  
Fed. Regist., U.S., (83):3043  
CFR title 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - 26 April  
1957

Miscellaneous amendments to subchapter.

:mlr

MF

Italy. Laws, 59-0466  
Statutes, etc. (1957)  
Gazz.uff., (198):2992  
Act no. 669 relative to the approval  
and execution of the supplementary  
protocol to the Belgrade agreement of  
1 March 1956 between Italy and  
Yugoslavia relative to fishing by  
Italian fishermen in Yugoslav waters,  
concluded at Belgrade on 13 December  
1956 - 13 July 1957

Specifies conditions governing payment  
of considerations for fishing rights  
by the Italian Government.

:mlr

M

U.S. Laws, 59-0464  
Statutes, etc. (1957)  
Fed. Regist., U.S., (103):3724  
CFR title 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - Part 105:  
Alaska peninsula area - Part 109: Cook  
inlet area - 27 May 1957

Miscellaneous amendments.

:mlr

MF

France. Laws, 59-0467  
Statutes, etc. (1957)  
J.off.Républ.franc., (92):4099  
Loi n°57-495 tendant à autoriser le  
Président de la République à ratifier  
la convention internationale pour la  
prévention de la pollution des eaux de  
la mer par les hydrocarbures, signée à  
Londres le 12 mai 1954 (Act no. 57-  
495 authorizing the President of the  
Republic to ratify the international  
convention for prevention of seawater  
pollution by hydrocarbons, signed in  
London on 12 May 1954) - 17 April 1957

M

Canada. Laws, 59-0465  
Statutes, etc. (1957)  
Canada Gaz., (8):389, 380  
DORS/57-137. Décret C.P. 1957-509  
modifiant le règlement visant les  
indemnités applicables aux vaisseaux de  
pêche, en vertu de la loi des subsides  
n°5, 1955 et la loi des subsides n°6,  
1956 (SOR/57-137. Order in council  
P.C. 1957-509 to amend the fishing  
vessel indemnity regulations, pursuant  
to the appropriation act n°5, 1955 &  
appropriation act n°6, 1956)

Amends the regulations made by order in  
council P.C. 1956-1291 of 29.8.56 (SOR/  
56-304).

:mlr

MF

Japan. Laws, 59-0468  
Statutes, etc. (1957)  
Off.Gaz., Japan, (9,099):588  
Agric.-Forestry Min.notific. no. 310.  
Temporary exemption of the highest  
limit of number of ships (by kind of  
small trawler fisheries, total gross  
tons, and total horse power than can be  
approved under the fisheries law) -  
undated

M

Queensland. Laws, 59-0469  
Statutes, etc. (1957)  
Queensld Govt. Gaz., (123):1613  
Act no. 11 to consolidate and amend the  
law relating to whaling, pearling,  
oystering, and other fisheries. S.T.:  
The fisheries act of 1957 - 18 April  
1957

M

France. Laws, 59-0472  
Statutes, etc. (1957)  
J.off.Républ.franc., (92):4099  
Loi n° 57-495 tendant à autoriser le  
Président de la République à ratifier  
la convention internationale pour la  
prévention de la pollution des eaux de  
la mer par les hydrocarbures signée à  
Londres le 12 mai 1954 (Act no. 57-  
495 authorizing the President of the  
Republic to ratify the international  
convention for the prevention of the  
pollution of ocean waters by hydro-  
carbons, signed in London on 12 May  
1954) - 17 April 1957

M

Ecuador, Laws, 59-0470  
Statutes, etc. (1957)  
Registr.of., Ecuador, (206):1650  
Decreto-ley de emergencia n° 11, que  
reforma la ley de pesca y cacería  
marítima - (Emergency legislative decree  
no. 11 amending the sea fishing and  
hunting act) - 8 May 1957

Concerns allocation and purpose of funds  
derived from fishing dues, etc.

:mlr

M

Germany. Laws, 59-0473  
Statutes, etc. (1957)  
Bundesgesetzblatt, (10):150  
Act on the agreement of 3 June 1955  
relating to the international convention  
for regulating the police of the North  
Sea fisheries, signed at the Hague on  
6 May 1882 - 28 April 1957

Reproduces the text of the agreement  
in the annexe.

:mlr

M

Japan. Laws, 59-0471  
Statutes, etc. (1957)  
Off.Gaz., Japan, (9,093):378  
Prime Minister's office notification  
no. 231. Partial amendments to the  
notification related to the restricted  
or prohibited areas, duration, and terms  
of fishing boat operation - undated

M

France. Laws, 59-0474  
Statutes, etc. (1957)  
J.off.Républ.franc., (138):6034  
Arrêté fixant la liste des poissons et  
crustacés actuellement représentés dans  
les eaux libres du territoire  
(Order establishing the list of fish  
and crustaceans at present to be found  
in free waters on the territory of  
France) - 4 June 1957

F

Netherlands. Laws,  
Statutes, etc. (1957)  
Staatscourant, (119):7  
Order no. Vi.2537/Directie van den  
Visserijen, issued by the Minister of  
Agriculture, etc., closing a part of the  
gulf of Lauwers to public fishing -  
20 June 1957

For the purpose of shellfish breeding.

mlr

M

Sweden, Laws,  
Statutes, etc. (1957)  
Svensk Författningss., (316-317):601  
Act no. 316 amending art. 7 of act  
no. 599 of 1 December 1950 relative to  
compensation for loss of fishing rights  
etc. - 6 June 1957

The amended article prescribed  
procedure for payment in certain cases  
of the costs of appeal made before the  
courts by parties who have lost their  
fishing rights.

mlr

MF

Netherlands. Laws,  
Statutes, etc. (1957)  
Staatscourant, (179):4  
Order no. Vi.3676/Directie v.d.  
Visserijen, issued by the Minister of  
Agriculture, etc., relative to the  
abolition of closure of territorial  
waters - 12 September 1957

Abolishes from 17 September 1957 until  
30 March 1958 the closure of a specified  
zone of territorial waters as referred  
to in the order of 30.6.56 no. Vi.2857.

mlr

M

Sweden. Laws,  
Statutes, etc. (1957)  
Svensk Författningss., (316-317):602  
Royal order no. 317 amending art. 15 of  
order no. 9 of 12 January 1951 relative  
to fisheries assessment boards and their  
activities - 6 June 1957

The amended art. 15 refers to procedure  
for payment of compensation to parties  
who have suffered loss of fishing  
rights.

mlr

MF

Norway. Laws,  
Statutes, etc. (1957)  
Norsk Lovtid., (17):390  
Act amending the act no. 20 of 25 June  
1937 relative to herring and brisling  
fisheries - 12 April 1957

Specifies the powers of the Crown in  
restricting herring & brisling fisheries  
under certain conditions, for the  
protection & maintenance of fishbreeding  
stocks.

mlr

M

Canada. Laws,  
Statutes, etc. (1957)  
Canada Gaz., (11):505, 528  
DORS/57-187. Décret C.P. 1957-707  
modifiant le règlement sur la protection  
de la faune, saumon et truite, en vertu  
des conditions de l'Union de Terre-Neuve  
au Canada (SOR/57-187. Order in  
council P.C. 1957-707 to amend the  
Newfoundland wild life, salmon and trout,  
regulations, pursuant to the terms of  
Union of Newfoundland with Canada) -  
27 May 1957

Approves the annexed schedule of  
amendments of the wild life, salmon &



59-0480  
(Card 2)

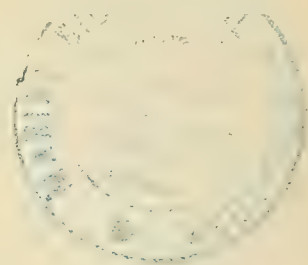
trout, regulations made by the Minister of Fisheries (SOR/56-164). Revokes sec.9 of the wild life, salmon & trout, regulations & establishes the open seasons for salmon, rainbow trout & trout other than rainbow trout.

:mlr

MF

59-0483  
(Card 2)

made by the Minister of Fisheries on 30.4.1957.



:mlr

M

Canada. Laws, 59-0482

Statutes, etc. (1957)

Canada Gaz., (12):549, 575

DORS/57-209. Décret C.P. 1957-754:

règlement de 1957 sur la pêche au saumon sockeye du Fraser, en vertu de la loi sur les pêcheries. (SOR/57-209. Order in council 1957-754: Fraser river sockeye salmon fishery regulations 1957, pursuant to the fisheries act) - 13 June 1957

Makes the regulations respecting sockeye salmon fishing in the Fraser river for 1957.

:mlr

MF

Canada. Laws,

59-0485

Statutes, etc. (1957)

Canada Gaz., (13):619, 648

DORS/57-233. Décret C.P. 1957-857

modifiant le règlement sur la pêche et la mise en conserve du saumon, en vertu des conditions de l'Union de Terre-Neuve au Canada (SOR/57-233. Order in council P.C. 1957-857 to amend the salmon fishery and packing regulations, pursuant to the terms of Union of Newfoundland with Canada) - 20 June 1957

Approves the annexed schedule of amendments to the salmon fishery & packing regulations (SOR/56-160), made

Canada. Laws, 59-0483

Statutes, etc. (1957)

Canada Gaz., (13):617, 646

DORS/57-232. Décret C.P. 1957-856

modifiant le règlement concernant la pêche à la morue, en vertu des conditions de l'Union de Terre-Neuve au Canada (SOR/57-232. Order in council P.C. 1957-856 to amend the codfishery regulations, pursuant to the terms of Union of Newfoundland with Canada) - 20 June 1957

Approves the annexed schedule of amendments to the codfishery regulations, approved by the Governor in commission on 5.2.1943, as amended (SOR/56-135)

:mlr

MF

by the Minister of Fisheries.

59-0485  
(Card 2)

Canada. Laws, 59-0487  
Statutes, etc. (1957)  
Canada Gaz., (13):622, 652  
DORS/57-234. Décret C.P. 1957-858  
modifiant le règlement de pêche de la  
Colombie Britannique, en vertu de la loi  
sur les pêcheries (SOR/57-234. Order  
in council 1957-858 to amend the British  
Columbia fishery regulations, pursuant  
to the fisheries act) - 20 June 1957

Amends the British Columbia fishery  
regulations made by order in council  
P.C. 1954-1910 of 8.12.1954 (SOR/54-659),  
as amended (SOR/57-157), in accordance  
with schedule hereto.

:mlr

MF

Canada. Laws, 59-0490  
Statutes, etc. (1957)  
Canada Gaz., (14):786, 828  
DORS/57-256. Avis de pêche aux clams.  
Règlement de pêche du Nouveau-Brunswick  
(SOR/57-256. Notice. New Brunswick  
fishery regulations. Clam fishing order)  
- 25 June 1957

Pursuant to sec. 40A of the New  
Brunswick fishery regulations, closes  
area no. 28, Lepreau basin, Charlotte  
county, New Brunswick & orders that no  
one shall fish for, take or possess  
clams from the area except for canning.

:mlr

M

Canada. Laws, 59-0488  
Statutes, etc. (1957)  
Canada Gaz., (13):626, 656  
DORS/57-235. Décret C.P. 1957-859  
modifiant le règlement de pêche du  
Manitoba, en vertu de la loi sur les  
pêcheries (SOR/57-235. Order in  
council 1957-859 to amend the Manitoba  
fishery regulations, pursuant to the  
fisheries act) - 20 June 1957

Amends the regulations made by order in  
council P.C. 1954-1201 of 18.8.1954  
(SOR/54-365), as amended (SOR/57-134),  
in accordance with the schedule hereto.

:mlr

MF

Canada. Laws, 59-0491  
Statutes, etc. (1957)  
Canada Gaz., (14):783, 825  
DORS/57-253. Décret C.P. 1957-916  
modifiant le règlement de pêche de la  
Colombie Britannique, en vertu de la loi  
sur les pêcheries (SOR/57-253. Order  
in council P.C. 1957-916 to amend the  
British Columbia fishery regulations,  
pursuant to the fisheries act) -  
4 July 1957

The British Columbia fishery regulations  
are amended by adding after sec. 93 a  
new section according to which, in the  
Atnarko river tributary to the Bella

Canada. Laws, 59-0489  
Statutes, etc. (1957)  
Canada Gaz., (14):785, 827  
DORS/57-255. Avis de pêche aux clams.  
Règlement de pêche du Nouveau-Brunswick  
(SOR/57-255. Notice. New Brunswick  
fishery regulations. Clam fishing order,  
pursuant to the fisheries act) -  
25 June 1957

Closes some areas for the taking of  
clams.

:mlr

M

59-0491  
(Card 2)  
Coola river, no person shall fish for,  
catch, kill or possess salmon between  
the 1st day of July & the 15th day of  
October, both dates inclusive.

:mlr

MF

Finland. Laws, 59-0493  
Statutes, etc. (1957)  
Finl.Författningss., (214-225):470  
Resolution no. 225 relative to the  
catching of whitefish in the waters of  
lake Pyhäjärvi - 14 June 1957

Specifies the kind of nets to be  
employed for the above in whitefish  
purpose until the end of 1960. Notwith-  
standing the stipulation of the fisheries  
act, whitefish is protected in this  
lake from Oct. 21 until Nov. 10 over  
the same period.

:mlr

F

Canada. Laws, 59-0496  
Statutes, etc. (1957)  
Statutes, Canada, Chapt. 11:43  
An act to implement a convention  
between Canada and the U.S.A. for the  
protection, preservation & extension of  
the sockeye salmon fisheries in the  
Fraser river system, signed at  
Washington on the 26th day of May, 1930  
and a protocol thereto signed at Ottawa  
on the 28th day of December, 1956 -  
28 March 1957

Pacific salmon fisheries convention  
act.

:mlr

MF

Norway. Laws, 59-0494  
Statutes, etc. (1957)  
Norsk Lovtid., (16):384  
Act amending the act of 17 June 1955  
relative to saltwater fisheries -  
5 April 1957

Art. 1, para. 4 of the earlier act  
shall be amended to read: "The act does  
not apply to herring & brisling, salmon  
& sea-trout fisheries".

:mlr

M

Canada. Laws, 59-0497  
Statutes, etc. (1957)  
Statutes, Canada, Chapt. 31:179  
An act to implement the interim  
convention on conservation of North  
Pacific fur seals - 12 April 1957

Pacific fur seals convention act.

:mlr

M

U.S. Laws, 59-0495  
Statutes, etc. (1957)  
Fed.Regist., U.S., 22(123):4472  
CFR title 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - Part 104:  
Bristol Bay area - Part 105: Alaska  
peninsula area - Part 115: southeastern  
Alaska area salmon fisheries, general  
regulations - 24 June 1957

Announcement is made that registrations  
of units of fishing gear far exceeds  
100 & therefore fishing time is  
restricted to one day per week in the  
1957 season unless further amended.

:mlr

MF

Canada. Laws, 59-0498  
Statutes, etc. (1957)  
Canada Gaz., (15):878, 920  
DORS/57-304. Loi sur la convention  
relative aux pêcheries de saumon du  
Pacifique (SOR/57-304. Pacific  
salmon fisheries convention act) -  
4 July 1957

Proclaimed in force 5 July 1957.

:mlr

MF



Canada. Laws,  
Statutes, etc. (1957) 59-0499  
Canada Gaz., (16):952, 1004  
DORS/57-322. Décret C.P. 1957-1084:  
règlement de 1957 sur la pêche au saumon  
rose du Fraser, en vertu de la loi, sur  
les pêcheries (SOR/57-322. Order in  
council 1957-1084: Fraser river pink  
salmon fishery regulations, 1957,  
pursuant to the fisheries act) -  
16 August 1957

MF

U.S. Laws,  
Statutes, etc. (1957) 59-0502  
Public Laws, U.S., 85-114, 85th Congress,  
S. 2212  
An act to amend North Pacific fisheries  
act of 1954 - 24 July 1957

Rostrinctions on application of the  
regulations in the convention area.

mlr

M

U.K. Treaties, etc. (1957) 59-0500  
Treaties Ser., U.K., (36)  
Fisheries agreement between Govt. of  
U.K. of G.B. and N. Ireland and the  
Govt. of Union of Soviet Socialist  
Republics - 15 May 1956

Together with minute to art. 1 of  
agreement & exchange of notes on  
territorial waters. Ratifications were  
exchanged on 12 March 1957.

mlr

M

U.S. Laws,  
Statutes, etc. (1957) 59-503  
Fed.Regist., U.S., 22(181):7426  
CFR 50 - Chapt. I - Subchapt. I: North-  
west Atlantic commercial fisheries -  
Part 155: Haddock and cod fisheries -  
6 September 1957

Rules issued under the Northwest  
Atlantic fisheries convention.

mlr

M

U.S. Laws,  
Statutes, etc. (1957) 59-0501  
Public Laws, U.S., 85-102, 85th Congress,  
S. 1806

An act to amend the sockeye salmon  
fishery act of 1947 - 11 July 1957

Made in accordance with 1956 protocol  
to the USA/Canada convention on salmon  
fisheries.

mlr

MF

Canada. Laws,  
Statutes, etc. (1957) 59-504  
Canada Gaz., (19):1089, 1147  
DORS/57-390. Décret C.P. 1957-1263  
modifiant le règlement sur la protection  
des pêcheries côtières, en vertu de la  
loi sur la protection des pêcheries  
côtières (SOR/57-390. Order in  
council P.C. 1957-1263 to amend the  
coastal fisheries protection regulations,  
pursuant to the coastal fisheries  
protection act) - 19 September 1957

Amends SOR/57-26 by adding a new s. 6  
concerning rights of foreign fisheries  
research vessels.

mlr

M

<p>Czechoslovakia. Laws, Statutes, etc. (1957) <u>Uředni List, Czech.</u>, (73):491 Order of the central water economy administration relative to the establishment of installations and other devices for the protection of fisheries and for meeting expenses incurred by such measures - 23 July 1957</p> <p>Protection of interests of fishermen in connection with preparations of plans &amp; carrying out water economy installations &amp; economy operations. Investments for the protection &amp; development of</p>	<p>U.S. Laws, Statutes, etc. (1957) <u>Fed. Regist.</u>, U.S., 22(145):5956 <u>CFR 50 - Chapt. I - Subchapt. F: Alaska commercial fisheries - Part 130: North Pacific area - 25 July 1957</u></p> <p>Extension of prohibition area under the N. Pacific fisheries act, 1954.</p> <p>:mlr M</p>
<p>59-0505 (Card 2) fisheries. Other measures relative to the protection of fisheries. Final provisions.</p> <p>:mlr F</p>	<p>Venezuela. Laws, Statutes, etc. (1957) <u>Rev. Fac. Derecho, Venezuela</u>, (10):109 <u>Ley sobre mar territorial, plataforma continental, protección de la pesca y espacio aéreo</u> (Act on territorial waters, the continental shelf, fisheries protection and air space) - 23 July 1956</p> <p>M</p>
<p>Ecuador, Laws, Statutes, etc. (1957) <u>Registr. of., Ecuador</u>, (139):1097 <u>Decreto n° 2616: Apruébase el "reglamento de permisos para la explotación de las riquezas del Pacifico Sur"</u> (Decree no. 2616 approving the "regulations governing issue of licenses to exploit the maritime resources of the South Pacific) - 16 December 1956</p> <p>M</p>	<p>Canada. Laws, Statutes, etc. (1957) <u>Canada Gaz.</u>, (16):889, 931 <u>DORS/57-314. Décret C.P. 1957-1040 modifiant le règlement de pêche de la Colombie Britannique, en vertu de la loi sur les pêcheries</u> (SOR/57-314. Order in council 1957-1040 to amend the British Columbia fishery regulations, pursuant to the fisheries act) - 7 August 1957</p> <p>S. 31A as given in SOR/54-659 as amended by SOR/57-253 is further amended concerning whaling licences.</p> <p>:mlr M</p>

Ecuador. Laws, 59-0511  
Statutes, etc. (1957)  
Registr.of., Ecuador, (175):1400  
Decreto n° 398. Apruébase formulario que  
deberán portar naves extranjeras  
(Decree no. 398 approving the form to  
be carried by foreign vessels) -  
12 March 1957

This form constitutes a fishing  
licence issued under the terms of the  
sea fishing & whaling act.

:mlr

M

Canada. Laws, 59-0514  
Statutes, etc. (1957)  
Canada Gaz., (16):957, 1009  
DORS/57-324. Décret C.P. 1957-1107  
modifiant le règlement sur l'inspection  
des petits bateaux de pêche, en vertu  
de la loi sur la marine marchande du  
Canada (SOR/57-324. Order in council  
P.C. 1957-1107 to amend the small  
fishing vessel inspection regulations,  
pursuant to the Canada shipping act) -  
16 August 1957

Amends SOR/56-51 as amended by SOR/57-  
106; concerns s.27, construction of  
seine skiffs & s.31 on the use of fire  
extinguishers.

:mlr

MF

Sweden. Laws, 59-0512  
Statutes, etc. (1957)  
Svensk Författningss., (390-393):785  
Fishing rights lease act - 27 June 1957

Specifies in detail conditions  
governing fishing rights lease contracts.

:mlr

MF

Ecuador. Laws, 59-0515  
Statutes, etc. (1957)  
Registr.of., Ecuador, (135):1065  
Decreto n° 182: Prohibese la entrada  
al país de barcos pesqueros camaroneros  
de bandera extranjera (Decree no.182  
prohibiting the entry of foreign  
shrimp fishing vessels into Ecuador) -  
7 February 1957

Measure adopted to protect & assist  
national ship-building industry.

:mlr

M

Canada. Laws, 59-0513  
Statutes, etc. (1957)  
Canada Gaz., (16):955, 1007  
DORS/57-323. Décret C.P. 1957-1106  
modifiant le règlement sur l'inspection  
des grands bateaux de pêche, en vertu  
de la loi sur la marine marchande du  
Canada (SOR/57-323. Order in council  
P.C. 1957-1106 to amend the large  
fishing vessel inspection regulations,  
pursuant to the Canada shipping act) -  
16 August 1957

Amends SOR/56-251 as amended by SOR/57-  
105; concerns s.19, construction of  
seine skiffs & s.20, use of fire  
extinguishers.

:mlr

M

Western Australia. Laws, 59-0516  
Statutes, etc. (1957)  
Govt.Gaz.West.Aust., (47):1491  
Fisheries act, 1905-1956. Proclamation -  
15 May 1957

Declares to be closed against the use  
of fishing nets for a period of 5 years  
from date of publication hereof, all  
those portions of Shoalwater Bay,  
Warnbro sound, & the Indian Ocean  
bounded by a line 40 chains distant from  
& parallel to the low-water mark at  
Penguin Island.

:mlr

M



Canada. Laws, 59-0517  
 Statutes, etc. (1957)  
Canada Gaz., (15):827, 869  
 DORS/57-285. Décret C.P. 1957-974  
 modifiant le règlement de pêche du  
 Nouveau Brunswick, en vertu de la loi  
 sur les pêcheries (SOR/57-285.  
 Order in council P.C. 1957-974 to amend  
 the New Brunswick fishery regulations,  
 pursuant to the fisheries act) -  
 23 July 1957

A new version of s. 40A permitting a  
 ban on shellfish fishing in any area  
 where they are toxic; amends SOR/54-657  
 as amended by SOR/57-111.

:mlr

M

Canada. Laws, 59-0520  
 Statutes, etc. (1957)  
Canada Gaz., (18):1053, 1109  
 DORS/57-363. Décret C.P. 1957-1223  
 modifiant le règlement de pêche de  
 l'Ile du Prince-Edouard, en vertu de la  
 loi sur les pêcheries (SOR/57-363.  
 Order in council P.C. 1957-1223 to  
 amend the Prince Edward Island  
 fishery regulations, pursuant to the  
 fisheries act) - 10 September 1957

Amends SOR/54-660, as amended by  
 SOR/54-287 new version of s.37(5) -  
 shellfish toxicity.

:mlr

M

Canada. Laws, 59-0518  
 Statutes, etc. (1957)  
Canada Gaz., (15):828, 870  
 DORS/57-286. Décret C.P. 1957-975  
 modifiant le règlement de pêche de  
 la Nouvelle-Ecosse (SOR/57-286.  
 Order in council P.C. 1957-975 to  
 amend Nova Scotia fishery regulations,  
 pursuant to the fisheries act) -  
 23 July 1957

A new s.30(4) permitting a ban on  
 shellfish fishing in any area where  
 they are toxic; amends SOR/54-728, as  
 amended by SOR/56-429.

:mlr

M

Canada. Laws, 59-0521  
 Statutes, etc. (1957)  
Canada Gaz., (18):1054, 1110  
 DORS/57-364. Décret C.P. 1957-1224  
 modifiant le règlement de pêche de  
 la Nouvelle-Ecosse, en vertu de la loi  
 sur les pêcheries (SOR/57-364.  
 Order in council P.C. 1957-1224 to amend  
 the Nova Scotia fishery regulations,  
 pursuant to the fisheries act) -  
 10 September 1957

Amends SOR/54-728, as amended by  
 SOR/57-286 inter alia new version of  
 s. 30(4) - shellfish toxicity.

:mlr

M

Canada. Laws, 59-0519  
 Statutes, etc. (1957)  
Canada Gaz., (15):829, 871  
 DORS/57-287. Décret C.P. 1957-976  
 modifiant le règlement de pêche de  
 l'Ile du Prince-Edouard, en vertu de  
 la loi sur les pêcheries (SOR/57-287.  
 Order in council P.C. 1957-976 to  
 amend the Prince Edward Island fishery  
 regulations, pursuant to the fisheries  
 act) - 23 July 1957

A new s.37(5) permitting a ban on  
 shellfish fishing in any area where  
 they are toxic; amends SOR/54/660, as  
 amended by SOR/57-33.

:mlr

M

Canada. Laws, 59-0522  
 Statutes, etc. (1957)  
Canada Gaz., (18):1055, 1111  
 DORS/57-365. Décret C.P. 1957-1225  
 modifiant le règlement de pêche du  
 Nouveau Brunswick, en vertu de la loi  
 sur les pêcheries (SOR/57-365. Order  
 in council P.C. 1957-1225 to amend the  
 New Brunswick fishery regulations,  
 pursuant to the fisheries act) -  
 10 September 1957

Amends SOR/54-657, as amended by  
 SOR/57-285 inter alia new version of  
 s.40A - shellfish toxicity.

:mlr

M

Canada. Laws, 59-0523  
Statutes, etc. (1957)  
Canada Gaz., (19):1093, 1151  
DORS/57-394. Décret C.P. 1957-1290  
modifiant le règlement de pêche du  
Nouveau Brunswick, en vertu de la loi  
sur la pêche (SOR/57-394. Order  
in council P.C. 1957-1290 to amend the  
New Brunswick fishery regulations,  
pursuant to the fisheries act) -  
15 September 1957

New s.12(9) as to min. size of oyster;  
amends SOR/54-657 as amended by  
SOR/57-365.

:mlr

M

New Zealand. Laws, 59-0526  
Statutes, etc. (1957)  
Statut.Rules, N.Z., (90):  
Seal fishery regulations 1946,  
amendment no. 4 - 17 April 1957

M

Canada. Laws, 59-0524  
Statutes, etc. (1957)  
Canada Gaz., (19):1094, 1152  
DORS/57-395. Décret C.P. 1957-1291  
modifiant le règlement de pêche de la  
Nouvelle Ecosse, en vertu de la loi  
sur la pêche (SOR/57-395. Order  
in council P.C. 1957-1291 to amend the  
Nova Scotia fishery regulations,  
pursuant to the fisheries act) -  
25 September 1957

New s.18 as to min size of oyster;  
amends SOR/54-728 as amended by  
SOR/57-364.

:mlr

M

U.K. Laws, 59-0527  
Statutes, etc. (1957)  
Miscellaneous, U.K., (2), Cmd. 100  
Protocol to the international  
convention for the regulation of  
whaling signed at Washington on 2  
December 1946 - 19 December 1956

M

Canada. Laws, 59-0525  
Statutes, etc. (1957)  
Canada Gaz., (19):1095, 1153  
DORS/57-396. Décret C.P. 1957-1292  
modifiant le règlement de pêche de  
l'Île du Prince Édouard, en vertu de la  
loi sur la pêche (SOR/57-396.  
Order in council P.C. 1957-1292 to  
amend the Prince Edward Island fishery  
regulations, pursuant to the fisheries  
act) - 25 September 1957

New s.22(1) as to min. size of oyster;  
amends SOR/54-660 as amended by  
SOR/57-363.

:mlr

M

U.S. Laws, 59-0528  
Statutes, etc. (1957)  
Public Laws, U.S., 85-296, H.R. 9280  
An act to facilitate the conduct of  
fishing operations in the territory of  
Alaska, to promote the conservation of  
fishery resources thereof, and for  
other purposes - 4 September 1957

Sec. 2 of act approved June 6, 1924,  
48 U.S.C. 1952 edition, 225, is hereby  
repealed.

:mlr

F



U.K. Laws, 59-0529  
Statutes, etc. (1957)  
Statut.Instr., (1424)  
The oil in navigable waters (Ships' equipment) regulations, 1957 - 31 July 1957

Provides for equipment for the purpose of preventing or reducing discharges of oil & mixtures containing oil into the sea.

:mlr

M

U.K. Laws, 59-0532  
Statutes, etc. (1957)  
Statut.Instr., (838)  
The herring subsidy (U.K.) scheme, 1957 - 17 April 1957

Provides that a scheme may be made for the payment of grants to the owners or charterers of fishing vessels not exceeding 140 ft. in length engaged in catching herring; amount of grants is given.

:mlr

M

Luxembourg. Laws, 59-0530  
Statutes, etc. (1957)  
Mémor.Grand-Duché, Luxembourg, (57):1259  
Arrêté ministériel concernant le repeuplement des cours d'eau affectonnés par les salmonidés (Ministerial order relative to the re-stocking of salmon-fishing waters) - 20 September 1957

Applies also to trout & specifies the waters concerned & type of fish with which they are to be re-stocked.

:mlr

MF

U.K. Laws, 59-0533  
Statutes, etc. (1957)  
Statut.Instr., (1175)  
The white fish and herring industries (Conversion grants) scheme, 1957 - 27 May 1957

Provides for payment of grant of 25%, of conversion cost, subject to maximum grant of £7,500 for conversion of the engine-boilers of a vessel from coal to oil-firing, & of £10,000 for replacement of a coal-burning engine by one which does not burn coal. Applications shall be made not later than 30.11.1960.

:mlr

M

Canada. Laws, 59-0531  
Statutes, etc. (1957)  
Canada Gaz., (20):1146, 1204  
DORS/57-421. Décret C.P. 1957-1335 modifiant les règlements sur les prêts aidant aux opérations de pêche, en vertu de la loi sur les prêts aidant aux opérations de pêche (SOR/57-421. Order in council P.C. 1957-1335 to amend the fisheries improvement loans regulations, pursuant to the fisheries improvement loans act) - 9 October 1957

Amends s.6(3) of the regulations issued under SOR/55-430, concerning securities.

:mlr

MF

U.K. Laws, 59-0534  
Statutes, etc. (1957)  
Statut.Instr., (1355)  
The white fish subsidy (U.K.) scheme, 1957 - 12 July 1957

Revokes the white fish subsidy (U.K.) scheme, 1956, which provided for payment of grants on voyages made or fish landed up to the 31.7.1957, & provides for payment of similar grants in respect of voyages made during the period beginning 1.8.1957, & ending 31.7.1958. The conditions under which grants may be paid in respect of voyages differ from those specified



59-0534  
(Card 2)

in the previous scheme in that no limit is now set to the number of days at sea for which voyage subsidy may be paid to any particular vessel in one year, & that provision is made for vessels engaged mainly in seine-net fishing voyages lasting eight days or more to receive the same rate of subsidy for occasional trawling trips as for seining trips.

:mlr

M

IPFC (1958) 59-0538  
FAO Regional Office, Bangkok, Thailand,  
54 p.

Current affairs bulletin no. 22

Briefly reports activities of I.P.F.C. & of its committees & officers, & important current fisheries developments in both, member countries & other parts of the world, as known to date of issue, July 1958. Lists references & some annotations of recent publications of interest to fisheries workers in the Indo-Pacific region. Incl. note on U.N. Conference

U.K. Laws, 59-0536  
Statutes, etc. (1957)  
Statut.Instr., (1422)  
The herring subsidy (U.K.) no. 2 scheme  
1957 - 12 July 1957

Details new approved subsidies for vessels under 140 ft. in length.

:mlr

M

59-0538  
(Card 2)  
in Genova, 1958, on the law of the sea.

SJH:sjh

M

Norway. Laws, 59-0537  
Statutes, etc. (1957)  
Norsk Lovtid., (26):727  
Act relative to retirement pension insurance for fishermen - 28 June 1957

MF

Kuronuma, K. (1958) 59-0540  
Curr.Aff.Bull., Bangkok, (22):1-4  
Spawn taking of Chinese carp in the Tone river, Japan (Record of 1957)

Review of this matter to date; results of observations & planting & rearing experiments in Japan with grass carp & silver carp. collection & transport of fry; growth & development rates artificial fertilization.

SJH:sjh

F

Picotti, M. (1958) 59-0541  
J.Cons.int.Explor.Mer, 24(1):3-9  
Nouveaux types de bouteilles à eau en verre et leur emploi en océanographie, en limnologie et en bactériologie (New types of glass water bottles and their use in oceanography, limnology and bacteriology). En

Ill. description of these vacuum bottles & frames, which make possible analysis of trace elements without contamination of samples by contact with metal.

GLK:sjh

MF

Grøntved, Jul. (1958) 59-0544  
J.Cons.int.Explor.Mer, 24(1):32-42  
Underwater macrovegetation in shallow coastal waters

Dry matter & yields of flora of Naeraa Strand & Dybsø Fjord - Inlets in Denmark - during periods of minimum & maximum growth, with special reference to Zostera marina, Ruppia maritima & Chara spp.

GLK:sjh

M

Brouardel, J. & 59-0542  
E. Rinck (1958)  
J.Cons.int.Explor.Mer, 24(1):10-5  
Appareillage employé en Méditerranée pour l'étude de la production de matière organique (Apparatus used in the Mediterranean for the study of organic production)

Ill. description of automatic water sampling bottles, photoelectric cell holder, & filtering system.

GLK:sjh

M

Demel, K. & 59-0545  
Z. Mulicki (1958)  
J.Cons.int.Explor.Mer, 24(1):43-54  
The zoobenthic biomass in the Southern Baltic

Abbreviated English version of Demel & Mulicki, 1954, Rep.Sea Fish.Inst. Gdynia, 7:75-126. Special reference to Mytilus edulis & Macoma spp.

GLK:sjh

M

Brandhorst, W. (1958) 59-0543  
J.Cons.int.Explor.Mer, 24(1):16-31  
Thermocline topography, zooplankton standing crop, and mechanisms of fertilization in the eastern Tropical Pacific

An analysis of factors affecting fish distribution, especially tunas; cross sections & charts show dynamic topography of waters, surface distribution of temperature, salinity & phosphate, relation of zooplankton - fish food - densities & depth of thermocline.

GLK:sjh

M

Richardson, I.D. & 59-0546  
J.A. Gulland (1958)  
J.Cons.int.Explor.Mer, 24(1):55-61  
Description of model used to demonstrate dynamics of exploited fish stocks

Ill. description of a mechanical model in which steel balls falling through a pin "maze" represent fish subject to probabilities of natural & fishing mortality during their lives.

GLK:sjh

G

Bagenal, T.B. (1958) 59-0547  
J.Cons.int.Explor.Mer, 24(1):62-79

An analysis of the variability associated with the Vigneron-Dahl modification of the otter trawl by day and by night and a discussion of its action

Comparative experiments show that day-time catches greater than night catches by a fixed proportion for both goars with & without bridles, & that during both day & night, the bridles give an added catching power of a high order, for spp. of Gadus, Merluccius,

59-0547  
(Card 2)

Pleuronectes, Hippoglossoides, Squalus, Ghyptocephalus & other genera of fishes.

GLK:sjh

M

Burd, A.C. (1958) 59-0549  
J.Cons.int.Explor.Mer, 24(1):80-94

An analysis of the method of sampling the East Anglian herring catches.

Analysis of daily length measurements & scale samples of Clupea harengus at markets, kippering houses, curing yards, & the premises of exporters of fresh fish.

GLK:sjh

M

Aasen, O. (1958) 59-0550  
J.Cons.int.Explor.Mer, 24(1):95-110

Estimation of the stock strength of the Norwegian herring

Analysis of recaptures of tagged Clupea harengus from Norwegian-Icelandic experiments 1950-54.

GLK:sjh

M

Sjöblom, V. (1958) 59-0551  
J.Cons.int.Explor.Mer, 24(1):111-9

On the causes of the poor catches of Baltic herring on the Finnish coast in the summer of 1956

Fishing experiments in G. Bothnia indicate shortage due to poor 1953 year class possibly resulting from unfavorable temperature hampering spawning that year.

GLK:sjh

M

Muzinic, R. & I.D. Richardson (1958) 59-0552  
J.Cons.int.Explor.Mer, 24(1):120-34

On the appearance of rings on herring scales

Ill. study of structure of Clupea harengus scales from southern N. Sea; comparisons of age readings by different observers; variations between fish & within fish; ring fusion & accessory rings. Concludes ring type is unreliable in racial studies.

GLK:sjh

M



Deeldor, C.L. (1958) 59-0553  
J.Cons.int.Explor.Mer, 24(1):135-46  
On the behaviour of eelers (Anguilla  
vulgaris Turt.) migrating from the sea  
into fresh water

Observations made at Afsluitdijk,  
Netherlands, in the field & aquaria on  
changes in reactions to fresh water  
flow, & light.

GLK:sjh

MF

Inagaki, K. (1958) 59-0556  
Sci.Pap.Inst.algol.Res.Hokkaido Univ.,  
4:87-197

A systematic study of the order  
Chordariales from Japan and its  
vicinity

Taxonomic description of the spp. &  
their distribution.

FAO:tl

II

Thomas, H.J. (1958) 59-0554  
J.Cons.int.Explor.Mer, 24(1):147-54  
Some seasonal variations in the catch  
and stock composition of the lobster

Considers sex & length compositions,  
catches per unit effort, spawning times  
of Homarus vulgaris in landings in  
Berwickshire & Orkney 1932-53.  
Describes fishing practices & assesses  
data.

GLK:sjh

M

Yusa, T. (1958) 59-0557  
Bull.Hokkaido reg.Fish.Res.Lab., (10):  
1-10

Eggs and larvae of flatfishes in the  
coastal waters of Hokkaido. III.  
Post-embryonic development and larvae  
of the flatfish Lepidopsetta mochigarui  
Snyder

Ill. account of post-embryonic  
development from 32 cell stage to 22  
days old larva, with experiments on  
embryonic development in the dark &  
phototaxis of larvae.

FAO:efa

M

Wyrski, K. (1958) 59-0555  
J.Cons.int.Explor.Mer, 24(1):155  
Letter to the editor

Comment on Krauss, W., BO 28(899), with  
reference to the critical remarks of  
Saelen, O.H., 59-0564.

GLK:sjh

M

CIESMM. ; 59-0558  
Italian Committee (1958)  
B. Coppini & C., Firenze, 938 p.  
Bibliographia oceanographica Vol.XXVIII

Contains annotated references, in  
English & Italian to over 5,000  
publications in the subject field,  
arranged by a subject classification &  
with an author index.

SJH:sjh

MF

Blagaic, I. (1958) 59-0559  
Morsk.Ribarst., 10:249-50  
Lov tuna i srodnika na otvorenom Jadranu  
uz sudjelovanje hidroaviona  
(Catching of tuna and similar species in  
the open Adriatic with the participation  
of sea-planes)

Plans for tuna fishing in Adriatic  
& necessities to use sea-planes for  
areal scouting.

FAO:tl

M

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Rome, February 1959

containing: taxonomic index 2(1), geographic index 2(1), references  
and author index to, 59-0565 - 59-1404

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FAO/59/4/2375

[2.1(2)]





# Errata

Please delete 581655 to 581658

581727	Ecologist	should read	Ecological
581728	Studies in the	" "	Studies on the
584203	Polamididae	" "	Potamididae
584229	<u>Proteose Peptone</u>	" "	proteose peptone
584234	Chlorella	" "	<u>Chlorella</u>
584308	Hyperiiidea	" "	Hyperiididae
584625	Nereis zonata	" "	<u>Nereis zonata</u>
584773	<u>Scaohiopus</u>	" "	<u>Scaphiopus</u>
584872	Daphnia	" "	<u>Daphnia</u>
584912	<u>Phaedodactylum</u>	" "	<u>Phaeodactylum</u>
585028	Tendipididae	" "	Tendipedidae
585031	<u>Lopturus</u>	" "	<u>Lepturus</u>
585061	<u>Polphyra</u>	" "	<u>Porphyra</u>
585357	fornicata	" "	<u>fornicata</u>
585407	Entoprocto	" "	Entoprocta
585452	<u>Regan</u>	" "	Regan
585753	<u>Mytilus</u>	" "	<u>Mytilus</u>
585895	<u>Hemirahampus</u>	" "	<u>Hemirhampus</u>

59-0047 to 59-0074      12(2)      "      "      spec.no. 2

585765: please correct annotation:

A semi popular ill. account of the  
morphology of pogonophores, their  
distribution & systematic significance.

M

584574	<u>dorsalis</u>	to be deleted
584900	M	" " inserted
585761	M	" " "
585763	F	" " "

59-0024      M      "      "      "

59-0110	Priananthid	should read	Priacanthid
59-0142	pennipedia	" "	pinnipedia
59-0193	feed resources	" "	food resources
59-0247	MF	" "	G
59-0343	platessa	" "	<u>platessa</u>
59-0426	Yokon	" "	Yukon
59-0434	59-434	" "	59-0434
59-0547	<u>Ghyptocephalus</u>	" "	<u>Glyptocephalus</u>





Lumby, J.R. & 584136  
O.H. Saelen (1957)  
Publ.sci.Ass.Oceanogr.phys., (16):30 p.  
Report on oceanographical work from  
ocean weather ships

Position of the weather ships &  
description of the observations &  
collections which they are making.  
Lists of publications which were based  
on these collections & observations.

TL:tl

M

Demoll, R. (1957) 581653  
Springer-Verlag, Berlin, 142 p.  
Früchte des Meeres (Fruits of the  
sea)

Review of the conditions of the life  
in the sea; short description of the  
economically important marine spp.;  
discussion on the marine productivity  
& future resources.

:tl

M

Drilhon, A. & 581666  
J.-M. Fine (1957)  
C.R.Acad.Sci., Paris, 245:1676-9  
Les albumines chez quelques espèces de  
poissons (Proteins in some species  
of fish)

Comparative studies of globulin  
fractions of serum of Scyllium stellare,  
Scyllorhinus canicula, Conger vulgaris,  
Muraena helena & Scorpoena scorpa.

FAO:sjh

M

Pera, F. (1957) 580950  
Latv.PSR Zinat.Akad.Vestis, (3):97-109  
Conditions of nitrogen fixation in  
lakes of Latvia - I. Conditions of  
fixation of free nitrogen

Study of the chemistry & micro-  
biology of 8 lakes in Latvia.

:tl

F

Newell, B.S. (1957)

581667

E.Afr.agric.J., 23:127-9

The nocturnal reduction of dissolved oxygen in dams

A study of a dam near Jinja, Uganda, has shown that, in addition to diurnal fluctuation of the oxygen concentration as a result of photosynthesis & respiration, nocturnal cooling of the surface water can cause overturn of the water column, thus depleting the surface water of oxygen.

swpa

F

Barnard, J.L. (1958)

585813

Occ.Pap.Allan Hancock Fdn, (19):145 p.

Index to the families, genera, and species of the gammaridean amphipoda (Crustacea)

A catalogue of gammaridean amphipoda providing a source of valid names & nomenclatural additions & changes since 1906.

FAO:hr

MF

## Coverage of the Bibliography

We have distributed as a supplement to issue 2(1) a "List of Periodicals Searched Regularly" for the preparation of this Bibliography. That list is not exclusive; all papers published since January 1957, which come to our notice are annotated and included in the Bibliography if we consider they fall within the subject field, defined in the first paragraph of the Explanatory Notes accompanying issue 1(1), quoted below:

"The scope of the Bibliography is limited to documents referring to studies of living aquatic resources and their environments, or to methods of research applicable in this field. References on fishing craft, gear and methods and on primary fishing industries generally are included where their contents seem relevant to appraisal and use of resources."

Unfortunately it is not always easy to decide whether or not a paper of marginal interest should be included, and a reader's view of that may differ from ours. This is unavoidable, and perhaps is not of very great consequence so far as subject coverage of the Bibliography is concerned, but it may be important with regard to journal coverage. Certain periodicals have been until now indexed completely by us because their subject-matter falls completely and unambiguously within our subject-field; these are marked with an asterisk in the list that follows. There are others whose subject-matter falls mostly within our field, but which from time to time contain papers which lie outside this field and have not hitherto been indexed by us; some of these appear without asterisks in the list which follows. Some readers have been uncertain as to whether they need to acquire such publications to see the few articles not listed by us. To help in this matter we shall in future cite all titles from journals in the following list; titles that do not rightly fall subject-wise within the scope of the Bibliography, will not be annotated; they will be recognizable by an "X" in the bottom left-hand corner of the "box" where the annotator's initials normally appear and they will be included in the author indexes but not in the taxonomic or geographic indexes.

Periodicals the contents of which will thus be completely cited are as follows; the numbers refer to the list given in issue 2(1).

- 26. \*Annales Biologiques. ICES
- 36. \*Annual Proceedings. ICNAF
- 48. \*Australian Journal of Marine and Freshwater Research
- 54. \*Bamidgeh. Bulletin of Fish Culture in Israel
- 77. \*Boletim do Instituto oceanografico São Paulo, Brazil
- 120. Bulletin of the Japanese Society of Scientific Fisheries
- 145. \*The Canadian Fish Culturist
- 187. \*Deep-Sea Research. New York
- 224. \*Hong Kong University Fisheries Journal
- 276. \*Indian Journal of Fisheries
- 300. Journal du Conseil Permanent International pour l'Exploration de la Mer. Copenhague



- 306. Journal of the Fisheries Research Board of Canada
- 311. \*Journal of the Marine Biological Association of the United Kingdom
- 312. \*Journal of Marine Research. New Haven, Conn.
- 332. \*Limnology and Oceanography. Baltimore, Md.
- 352. \*Mittelungen. Internationale Vereinigung für Theoretische und Angewandte Limnologie. Stuttgart
- 398. The Philippine Journal of Fisheries
- 412. Proceedings and Technical Papers. General Fisheries Council for the Mediterranean. FAO
- 413. Proceedings of the Gulf and Caribbean Fisheries Institute. University of Miami
- 414. Proceedings. Indo-Pacific Fisheries Council. Bangkok
- 423. Progress Reports of the Atlantic Coast Stations. Fisheries Research Board of Canada
- 427. Progress Reports of the Pacific Coast Stations. Fisheries Research Board of Canada
- 429. \*Progressive Fish Culturist. Fish and Wildlife Service, Washington, D.C.
- 448. \*Rapports et Procès-verbaux des Reunions. Conseil Permanent International pour l'Exploration de la Mer, Charlottenlund
- 483. \*Annual Report of the Hydrobiological Research Unit. University College, Khartoum
- 495. \*Annual Report for 19.. (no. ..) of the Marine Biological Station at Port Erin
- 579. Transactions of the American Fisheries Society. New York



## Explanatory Notes

### Treatment of scientific names of organisms

1. Species names given in titles and annotations are quoted as given in the title and text of the original document.
2. If the text cites vernacular but not scientific names, a corresponding scientific name is given in the annotation if and when there seems no possibility of ambiguity; otherwise the vernacular name is given.
3. Generic names indexed are those given in the title and/or text and cited in the reference or annotation, except in certain cases where what is generally recognized as the same species of fish is referred to by different scientific names by different fisheries authorities. In such cases, where the generic names are different, all references to that species are indexed under one name. Other considerations being equal, the name chosen will generally be that which adds most information to the index; i.e. which tends to split rather than lump genera.

The following fish are at present affected by this rule. Additions to this list will be made from time to time. When such a fish is not included in the list, references to them will have to be sought under all the generic names which are currently applied to it.

	<u>Name sometimes used</u>	<u>Indexed under</u>
Shad	<u>Clupea alosa</u>	1,21 <u>Alosa</u>
Sprat	<u>Sprattus sprattus</u>	1,21 <u>Clupea</u>
Pilchard	<u>Clupea pilchardus</u>	1,21 <u>Sardina</u>
Japanese sardine	<u>Sardinia melanosticta</u>	1,21 <u>Sardinops</u>
Lake trout	<u>Salvelinus namaycush</u>	1,23 <u>Cristivomer</u>
Roach	<u>Leuciscus rutilus</u>	1,40 <u>Rutilus</u>
Haddock	<u>Gadus aeglefinus</u>	1,48 <u>Melanogrammus</u>
Pollock (Saithe)	<u>Gadus virens</u>	1,48 <u>Pollachius</u>
Australian mackerel	<u>Scomber australasicus</u>	1,75 <u>Pneumatophorus</u>
Japanese mackerel	<u>Scomber japonicus</u>	
Bonito	<u>Pelamis sarda</u>	1,75 <u>Sarda</u>
Sier	<u>Cybium commerson</u>	1,75 <u>Scomberomorus</u>
Albacore	<u>Thunnus germo</u>	1,80 <u>Germo</u>
	<u>Thunnus alalunga</u>	
Dab	<u>Pleuronectes limanda</u>	1,83 <u>Limanda</u>
Flounder	<u>Platichthys flesus</u>	1,83 <u>Pleuronectes</u>

4. Notwithstanding the change described above, there remain genera which contain two or more species of considerable commercial importance and concerning which there are rather large number of publications. To simplify the use of our taxonomic indexes to search for publications dealing with certain species we shall therefore index separately species of some genera. For the genera listed below the name followed by "; gen." in the index will indicate publications dealing with that genus as a whole, or in which the particular species is not identified. If the name is followed by "sp.", it will mean that the papers referred to deal with species other than those mentioned in the following list or subsequent addenda. Hybrids will be indexed under the generic name (or both names for inter-generic hybrids), followed by "hy".

- 1,43 Anguilla anguilla (= vulgaris)  
A. bostoniensis (= rostrata)  
A. japonica
- 4,23 Balaenoptera borealis  
B. musculus  
B. physalus
- 1,21 Clupea harengus  
C. pallasii  
C. sprattus
- 1,21 Engraulis anchoita  
E. australis  
E. encrasicolus  
E. japonica  
E. mordax  
E. virgens
- 1,48 Gadus callarias  
G. luscus  
G. macrocephalus  
G. merlangus  
G. minutus  
G. pollachius  
G. poutassou
- 1,83 Hippoglossus hippoglossus (= vulgaris)  
H. stenolepis
- 1,83 Limanda ferruginea  
L. herzensteini  
L. limanda  
L. yokohamae
- 1,48 Merluccius australis  
M. bilinaris  
M. capensis  
M. gayi  
M. hubbsi  
M. merluccius  
M. productus  
M. senegalensis
- 1,23 Oncorhynchus gorbuscha  
O. keta  
O. kisutch  
O. nerka  
O. tschawytscha
- 1,70 Perca flavescens  
P. fluviatilis



- 1,83 Pleuronectes cynoglossus  
P. flesus  
P. microcephalus  
P. platessa
- 1,75 Pneumatophorus australasicus  
P. diego  
P. japonicus  
P. peruanus
- 1,23 Salmo agua-bonita  
S. clarkii  
S. gairdnerii (= irideus)  
S. salar  
S. trutta
- 1,23 Salvelinus alpinus  
S. fontinalis  
S. malma
- 1,21 Sardinops caerulea  
S. melanosticta  
S. neopilchardus  
S. ocellata  
S. sagax
- 1,75 Scomber colias  
S. scombrus
- 1,75 Scomberomorus cavalla  
S. commerson  
S. guttatus  
S. maculatus  
S. queenslandicus  
S. regalis  
S. tritor
- 1,80 Thunnus maccoyii  
T. orientalis  
T. thynnus

## Contents lists of journals

As our previous issue, containing the note on complete coverage of selected journals, was being prepared, we received from the Marine Biological Station at Port Erin, Isle of Man, U.K., a proposal to revive the practice of publishing separately the contents lists of scientific journals. This idea is not, of course, new; such lists were provided by some journals over certain periods for many years. They were especially useful to research workers in institutions with a small library budget and it has now been suggested that many such institutions would still be prepared to subscribe the small amount necessary to cover offprinting and postage costs.

It may be that the distribution of contents lists of journals not publishing strictly in the fisheries, limnological or marine biological fields would be useful to some workers at institutions which receive the "Current Bibliography for Aquatic Sciences and Fisheries", to help them follow specialised subjects not covered by that bibliography. We should appreciate comments on this proposal from librarians, directors of institutions, research workers and others interested in fisheries bibliographic problems. If there is a fairly general agreement that the publication of contents lists would be beneficial, we could perhaps put the proposal directly to the publishers of certain journals or, alternatively, raise the question with the Abstracting Board of the International Council of Scientific Unions, which is at present deliberating such matters.

Finally, we would mention that it is perhaps worth considering the alternative of ensuring a wider distribution and coverage of such periodicals as the "Indice di Periodici Scientifici e Tecnici", published by the Italian National Research Council, which we have used to search for titles to be included in our Current Bibliography.

## Forward References

When a reference is given for correspondence or a critical review referring to a paper already annotated in the "Current Bibliography", or to a translation of such a paper, it is not normally analysed and listed in the monthly taxonomic and geographic indexes, unless such a "follow-up" article refers to a wider range of species or places than the original document. To make possible a complete search of given taxonomic or geographic categories it is necessary therefore to scan each issue of the Bibliography and transfer the serial numbers of the follow-up article to the original reference box.

To help users of the Bibliography in this operation, we include with this issue a check list for the cross references contained in the 58- series. Starting with this month we shall include such a check list with each issue.

Check list, 580001 - 585898, 59-0001 - 59-1404:

580326	to	580325	583212	to	583211
580384	to	580383	583304	to	580099
580385-580400	to	580383, 580384	583431	to	583430
580402	to	580401	583451	to	583211
580403	to	580401	583469	to	580811
580423	to	580285	583681	to	581057
580690	to	580687	583682	to	581732
580697	to	580725, 580726	583736	to	583737, 583738
580968	to	580967	583934	to	580061
581000	to	580999	583935	to	583934
581013	to	581012	584035	to	583054
581051	to	581050	584036	to	580999
581058	to	581057	584117	to	584114
581060	to	581059	584260	to	584258
581064	to	581063	584324	to	584322
581197	to	581198	584332	to	581530
581254	to	581253	584380	to	581958
581422	to	581421	584510	to	582331
581605	to	581604	584511	to	581909
581607	to	581606	584712	to	584711
581611	to	581610	584718	to	582809
581654	to	581653	584721	to	582798
581859	to	581858	585011	to	585010
581861	to	581860	585739	to	582527
581868	to	581867			
581870	to	581869	59-0152	to	581530
581871	to	580999	59-0313	to	59-0312
581957	to	581956	59-0314	to	59-0313
581962	to	581961	59-0342	to	585076
582083	to	582082	59-0390	to	59-0342
582207	to	582206	59-0555	to	59-0564
582316	to	582315	59-0907	to	582527
582318	to	582317	59-1393	to	59-1392
582335	to	582334			
582338	to	582331			
582694	to	582693			
582806	to	582805			
582810	to	582809			
582947	to	582946			





1,00	FISHES, GEN.	0001	0014	0016	1,23	(continued)			
		0026	0051	0078					
		0125	0152	0167		SALMONIDAE	0363	0383	0461
		0181	0185	0192		Salvelinus fontinalis			0321
		0221	0222	0224					
		0263	0302	0319	1,32	Lestidium			0065
		0350	0371	0543					
				0546					
1,01	Branchiostoma			0165	1,38	CHARACINIDAE			0109
1,02	Entosphenus			0155	1,40	Abramis			0009
	Lampetra			0081		Cyprinus	0362		0540
	PETROMYZONIDAE			0361		Notropis			0144
1,09	Squalus		0402	0547	1,41	Clarias			0170
1,17	Acipenser			0402		DIPLOMYSTIDAE			0337
1,18	LEPIDOTIDAE			0336		Ictalurus	0174		0337
						TRICHOMYCTERIDAE			0337
1,21	Clupea harengus	0002	0004	0018	1,43	Anguilla, gen.			0380
		0020	0190	0192		Anguilla anguilla	0435		0553
		0195	0197	0199		Anguilla sp.			0171
		0202	0203	0212	1,48	Eleginus	0192	0193	0195
		0227	0343	0364			0205	0206	0210
		0424	0477	0532		GADIFORMES			0534
		0549	to	0552		Gadus callarias	0192	0193	0214
							0346	0365	0402
							0503		0483
	Clupea sprattus			0016		Gadus macrocephalus			0433
	Engraulis encrasicolus	0006		0167		Gadus sp.	0015	0387	0547
	Engraulis mordax			0107		Melanogrammus	0346	0385	0402
	Sardina	0403	0404	0477			0503		
	Sardinella			0401		Merluccius bilinearis			0402
	Sardinops caerulea		0103	0104		Merluccius sp.			0547
		0105	0376			Microgadus		0192	0203
	Sardinops melanosticta			0062		Molva		0175	0346
						Pollachius	0346	0396	0402
1,23	Bathylchnops			0112	1,50	Gasterosteus	0192	0212	0235
	Coregonus			0493		Pungitius		0192	0212
	Mallotus		0192	0212	1,57	Austrofundulus			0111
	Nansenia			0113		Cyprinodon			0146
	Oncorhynchus, gen.		0156	0498		CYPRINODONTIDAE			0109
	Oncorhynchus gorboscha			0499		Rachovia			0111
	Oncorhynchus kisutch			0154	1,70	Decapterus			0066
	Oncorhynchus nerka		0482	0496		Genyonemus			0174
		0501				Lucioperca		0010	0012
	Oncorhynchus tshawytscha			0154		Morone			0322
		0155				Mullus			0167
	Oncorhynchus sp.	0022	0491	0495		Pristigenys			0110
	Osmerus	0016	0192	0193		SCARIDAE			0398
		0208	0210	0222		Seriola			0402
	Salmo gairdnerii	0037	0154	0156		Stizostedion			0459
		0169	0172		1,71	Anarhichas			0346
	Salmo salar	0192	0193	0435					
		0480	0485	0530					
	Salmo trutta			0480					
	Salmo sp.		0022	0480					

1,71	(continued)				1,89	<i>Balistes</i>			0066
	<i>Chasmodes</i>	0149			1,91	<i>Mola</i>			0333
						MOLIDAE			0333
1,74	<i>Leionura</i>	0340			1,99	FISHES, MISC.	0052	0086	0153
	<i>Lepidocybium</i>	0340					0157	0189	0192
	<i>Lepturacanthus</i>	0340					0222	0234	0263
	<i>Rexea</i>	0340					0277	0294	0295
	<i>Ruvettus</i>	0340					0366	0369	0373
	TRICHIURIDAE	0389					0382	0401	0407
	<i>Trichiurus</i>	0340					0420	0422	0423
							0426	0428	0429
1,75	<i>Acanthocybium</i>	0340					0435	0436	0439
	<i>Cybiosarda</i>	0340					0441	0444	0445
	<i>Gymnosarda</i>	0340				to	0450	0454	0456
	<i>Istiompax</i>	0340					0464	0469	0470
	<i>Istiophorus</i>	0340	0432				0474	0475	0487
	<i>Makaira</i>	0340	0432				0494	0500	0502
	<i>Pneumatophorus diego</i>		0106				0507	0508	0509
	<i>Rastrelliger</i>	58-	2053				0528	0543	
	<i>Sarda</i>	0167	0340		2,00	CRUSTACEANS, GEN.		0016	0025
	<i>Scomber scombrus</i>		0041				0026	0051	0053
	<i>Tetrapturus</i>		0340				0125	0145	0158
	<i>Xiphias</i>		0340				0167	0180	0181
							0192	0217	0221
1,76	CENTROLOPHIDAE	0389					0224	0225	0227
	LUVARIDAE	0389					0319	0323	0379
	<i>Luvatus</i>	0334							
	NOMEIDAE	0389							
	<i>Poronotus</i>	0402							
	TETRAGONURIDAE	0389			2,05	<i>Evadne</i>			0123
1,78	<i>Cyclopterus</i>	0192	0212		2,06	OSTRACODA		0192	0231
	<i>Sebastes</i>		0402						
1,80	<i>Auxis</i>		0340		2,10	<i>Nicthoe</i>			0176
	<i>Euthynnus</i>		0340			<i>Onychocampus</i>			0325
	<i>Katsuwonus</i>	0174	0340		2,13	THORACICA			0101
	<i>Neothunnus</i>		0236						
	<i>Parathunnus</i>		0370		2,24	AMPHIPODA	0192	0225	0229
	THUNNIFORMES	0543	0559	to	2,26	EUPHAUSIIDAE			0132
		0562							
	<i>Thunnus thynnus</i>		0374		2,27	DECAPODA		0080	0120
1,81	PLEURONECTIFORMES	0192	0227		2,28	<i>Cryphiops</i>			0368
1,83	<i>Glyptocephalus</i>		0547			NATANTIA		0127	0380
	<i>Hippoglossoides</i>		0547			<i>Palaemon</i>			0395
	<i>Hippoglossus hippoglossus</i>		0402			<i>Penaeus</i>			0028
	<i>Hippoglossus stenolepis</i>		0173		2,29	<i>Arenaeus</i>			0372
		0413	0446			<i>Blepharipoda</i>			0372
	<i>Lepidopsetta</i>		0557			CALAPPIDAE			0128
	<i>Pleuronectes flesus</i>	0192	0212			<i>Callinassa</i>			0372
	<i>Pleuronectes platessa</i>	0343	0386			<i>Carcinus</i>			0077
		0431				<i>Coenobita</i>			0372
	<i>Pleuronectes sp.</i>	0433	0547			<i>Dromia</i>			0187
	<i>Pseudopleuronectes</i>		0402						



2,29 (continued)

DROMIIDAE	0128
<i>Emerita</i>	0372
GRAPSIDAE	0128
<i>Hapatus</i>	0372
HIPPIDAE	0128
<i>Homarus</i>	0554
<i>Jasus</i>	0324 0453
<i>Lepidopa</i>	0372
<i>Ocypode</i>	0372
OCYPODIDAE	0128
<i>Parastacus</i>	0338
<i>Pilumnus</i>	0187
<i>Pseudocorystes</i>	0372
REPTANTIA	0457
<i>Uca</i>	0027

2,99 CRUSTACEANS, MISC.	0189 0277
0282 0306	0401 0403
0412 0420	0423 0424
0426 0428	0429 0440
0449 0454	0456 0463
0464 0469	0470 0473
0474 0475	0517 to
0522 0528	

3,00 MOLLUSCS, GEN.	0016 0025 0026
0051 0053	0078 0125
0145 0158	0160 0167
0180 0181	0185 0192
0217 0221	0222 0224
0225 0227	0263 0319
0323 0379	0543

3,05 GASTROPODA	0089
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3,10 Pomacea	0179
<i>Rissoa</i>	0075

3,13 BASOMMATOPHORA	0090
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3,15 PELECYPODA	0065 0087 0088 0166
0437 0439	0469 0489
0490 0523	0524 0525

3,16 Gryphaea	0042
<i>Mytilus</i>	0040 0545
<i>Pinctada</i>	0324 0342 0390
PRIONODESMACEA	0159

3,17 Macoma	0545
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3,21 Octopus	0177 0178
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3,99 MOLLUSCS, MISC.	0189 0192 0225
0277 0306	0401 0403

3,99 MOLLUSCS, MISC. (continued)

0412 0420 0423 0424
0426 0428 0429 0440
0454 0463 0464 0469
0470 0473 0475 0517
to 0522 0528

4,00 MAMMALS, GEN.	0082 0142 0254
0263 0323	

4,05 Lutra	0164
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4,06 Arctocephalus	0339 0497
<i>Phoca</i>	0164
PINNIPEDIA	0142 0388 0430 0526

4,21 CETACEA	0129 0130 0134 0335
0443 0455	0469 0527

4,22 Physeter	0405
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4,23 Balaenoptera musculus	0130 0405
Balaenoptera physalus	0136 0139
0140 0141	
Megaptera	0130 0138 0324
MYSTACOCETI	0131 0132

4,97 MAMMALS, AQUATIC	0129 0306
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5,12 Rana	0162
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5,31 Chelydra	0148
<i>Terrapene</i>	0283

5,50 BIRDS, GEN.	0237 0254
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5,96 ASCIDIACEA	0117 0118
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5,98 CHORDATA, GEN.	0082
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5,99 CHORDATES, MISC.	0306
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6,03 RHIZOPODA	0043
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6,11 PARAMAECIUM	0292
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6,13 PORIFERA	0045
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6,17 Bougainvillia	0392
<i>Hydractinia</i>	0076
<i>Modeeria</i>	0392
<i>Platocnide</i>	0392
<i>Tiaranna</i>	0392

6,19 ANTHOZOA	0079
<i>Bellonella</i>	0400
<i>Nidalia</i>	0400

6,37	Urceolaria			0261	7,11	Basidiocladia			0147
6,40	BRYOZOA	0192	0225	0232		Cladophora			0183
6,43	Pumilus			0161	7,18	Chara			0544
6,45	Eukrohnia			0163	7,32	Prymnesium	0119		0120
	Sagitta	0044		0125	7,41	BACILLARIOPHYCEAE			0141
6,48	POLYCHAETA	0184	0192	0225	7,66	Gymnodinium			0100
		0394		0230	7,68	Dinastridium			0100
6,49	POLYCHAETA ERRANTIA			0126	7,72	ECTOCARPALES			0556
6,50	Arenicola			0393	7,88	Rhodymenia			0102
	POLYCHAETA SEDENTERIA	0069		0121	7,95	Anabaena			0099
	SERPULIDA			0038	7,99	ALGAE, MISC.	0067	0085	0095
6,51	Enchytraeus			0261			0306	0344	0348
6,52	GEPHYREA			0115	8,01	BACTERIA	0026	0068	0250
6,56	Limulus			0462		BACTERIUM			0383
6,63	Achelia			0116		Erysipelothrix			0248
	AMMOTHELLA			0116	8,91	FUNGI IMPERFECTI			0344
	Anoplodactylus			0116	8,99	FUNGI, MISC.			0306
	PYCNOGONIDA			0124	9,43	Ruppia			0544
	Tanystylum			0116		Zostera			0544
6,84	COLEOPTERA			0326	9,99	HIGHER PLANTS, MISC.			0306
6,87	Anopheles			0284					
	CHIRONOMIDAE			0399					
	Culex			0265					
6,93	ECHINOIDEA			0143					
6,94	Holothuria			0024					
6,97	INVERTEBRATES, AQUATIC	0016	0025						
		0026	0051	0053					
		0125	0145	0158					
		0167	0180	0181					
		0192	0217	0221					
		0224	0225	0227					
		0306	0319	0543					
6,98	INVERTEBRATES, GEN.			0323					
7,00	ALGAE, GEN.	0016	0026	0033					
		0035	0039	0047					
		0051	0061	0078					
		0167	0181	0192					
		0219	0227	0318					
		0323	0349						

100	AFRICA			0399	400	ASIA				
111	Tunisia			0038	413	Israel	0115	to	0118	0121
112	Algeria			0357			to	0128		
113	Morocco	0153	0355	0373	416	Iraq				0441
144	Ghana			0401	451	Japan	0047	to	0054	0056
154	Union of S. Africa	0169	0170				0061	to	0065	0067
	0171						0069	to	0073	0419
							0428	0429	0468	0471
							0540	0556	0557	
200	NORTH AMERICA				451	Japan, Honshu				0058
210	<u>Canada</u>	0030	0409	0413	0416					
		0417	0420	0427	0438	500	EUROPE			0081
		0446	0452	0455	0457					
		0458	0465	0480	0483	511	Denmark			0544
		0485	0496	0497	0498	513	Iceland		0387	0388
		0501	0504	0513	0514	514	Norway	0188	0189	0190
		0531						0430	0431	0477
								0537	0550	
211	Yukon			0426						
212	British Columbia		0022	0424	516	Sweden	0433	0478	0479	0512
		0454	0482	0487	0491	517	Finland	0447	0448	0459
		0499	0510					0551		
213	Manitoba			0456	0488	521	Netherlands		0406	0407
215	Quebec				0423			0475	0476	0553
216	Newfoundland	0480	0483	0485	522	Belgium				0440
217	New Brunswick	0422	0445	0489	523	Luxembourg				0530
		0490	0517	0522	0523	524	France	0042	0162	0359
217	Nova Scotia	0444	0518	0521				0450	0467	0472
		0524				525	Monaco			0182
217	Prince Edward I.	0519	0520	0525	532	UK	0046	0405	0434	0435
220	USA ( <u>Alaska</u> )	0461	to	0464			0527	0529	0532	to
		0495	0508	0528			0535			
230	<u>USA</u>	0104	0105	0443	0446	533	England	0083	0085	0086
		0496	0501	0502	0503			0377	0500	0549
231	Washington State			0026	534	Scotland		0096	0392	0554
231	Oregon		0156	0157	535	Northern Ireland				0500
232	California	0106	0107	0146	542	Spain	0403	0404	0437	0460
		0154	0155	0376	543	Italy			0415	0466
233	Wyoming			0145	543	Sardinia			0180	0185
236	Massachusetts	0025	0321	0322	551	Yugoslavia		0415	0466	0562
		0402			554	Bulgaria				0326
237	New York			0033	555	Romania				0268
238	N. Carolina			0150	556	Turkey				0167
238	Florida			0309	561	Federal Republic of			0277	0282
250	<u>Greenland</u>			0384		Germany	0344	0345	0361	0362
							0375	0385		
300	LATIN AMERICA				571	German Democratic			0363	0364
						Republic	0366	0378	0381	
311	Mexico	0104	0105		573	Czechoslovakia				0505
331	Colombia		0111							
332	Venezuela		0509		600	OCEANIA				
341	Ecuador	0470	0507	0511	0515					
342	Peru	0367	to	0370	0372	610	<u>Australia</u>	0284	0324	0340
		0411	0432					0389	0390	0408
343	Chile	0333	to	0338		612	Western Australia		0453	0516



615	New S. Wales		0439	P	POLAR SEAS			
616	Queensland		0469					
618	Macquarie I.		0339	PN	<u>Arctic Ocean</u>	0203	0316	
620	New Guinea Trust Territory		0284	PS	<u>Southern Ocean</u>	0074	0128	to
630	New Zealand	0161 0442	0526		0132	0134	0136	0140
641	Society Is.	0355	0360		0163			
700	USSR		0500	L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS			
710	<u>Russian FSSR</u>		0002	L.72	<u>Caspian Sea</u>	0008	0010	0012
A	ATLANTIC OCEAN		0317					
AN	<u>Atlantic, N.</u>		0203					
ANW.02	Davis Strait		0359					
ANE	Atlantic, N.E.	0018	0045					
ANE.01	White Sea	0020 0192 0193	0195					
		0197 0199	0200					
		0205 0206	0208					
		0212 0214	0215					
		0219 0221	0222					
		0225 0227	0229					to
		0233						
ANE.02	Barents Sea		0224					
ANE.04	North Sea	0041 0044 0473	0374 0552					
ANE.05	Baltic Sea	0015 0016 0020	0018 0363 0365					
		0545						
ANE.06	G. of Bothnia		0551					
ASW.01	G. of Mexico		0307					
ASE	Atlantic, S.E.	0039 0043	0045					
		0354						
ASE.02	Mediterranean Sea	0039	0044					
		0356 0542						
ASE.05	Mediterranean Sea, Eastern		0115					
	to	0118 0121	0124					
		0351						
ASE.06	Aegian Sea		0351					
ASE.08	Adriatic Sea	0559	0560					
ASE.10	Black Sea		0044					
ASE.11	Sea of Azov		0002					
I	INDOPACIFIC OCEAN	0034	0074					
IN	<u>Pacific, N.</u>	0112 0113	0114					
		0173 0203	0497					
		0503 0508						
IN.01	Japan Sea	0055	0056					
IS	<u>Tropical Indopacific</u>		0538					
ISW	Indian Ocean		0039					
ISW.01	Red Sea	0123 to	0128					
ISEW.04	E. China Sea		0059					
ISE	Pacific, S.E.	0236 0370	0507					



U.S. Laws, 59-0565  
Statutes, etc. (1957)  
Fed. Regist., U.S., 22(186):7607  
CFR 50 - Chapt. I - Subchapt. F: Alaska  
commercial fisheries - Miscellaneous  
amendments to subchapter - 23 September  
1957

MF

Mauritius. Laws, 59-0568  
Statutes, etc. (1957)  
Leg. Suppl. Govt. Gaz. Mauritius, (50):33  
Proclamation no. 14 of 1957 - To  
authorise the use of large nets for  
fishing at specified places during the  
period extending from 1st October 1957  
to 31st January 1958 - 25 September 1957

MF

France. Laws, 59-0566  
Statutes, etc. (1957)  
J. off., Républ. franç., (235):9650  
Arrêté portant application des  
dispositions de l'article 5 de la loi  
du 23 mars 1957 relative à la pêche  
fluviale (Order giving application  
to the provisions of art. 5 of the act  
of 23 March 1957 relative to river-  
fishing) - 25 September 1957

Refers to the application to persons  
engaged in river fishing of the  
provisions of the decree of 5 June 1926  
relative to pond fishing rights.

:mlr

F

Australia Commonwealth. 59-0569  
Laws, Statutes, etc. (1957)  
Commonw. Aust. Gaz., (52):2882  
Notice under sec. 8 of the fisheries  
act 1952-1956 prohibiting the taking  
from the area of proclaimed waters  
specified in the schedule of any fish  
of the species Galeorhinus australis  
(commonly known as school shark) during  
the month of November in each year -  
18 September 1957

M

Netherlands. Laws, 59-0567  
Statutes, etc. (1957)  
Staatscourant, (217):5  
Order no. Vi 4035/Dir.v.d.Visserijen,  
issued by the Minister of Agriculture,  
Fisheries, etc., relative to a special  
fishing regulation - 4 November 1957

Specifies exemption until 15 March 1958  
from prohibitions contained in the  
special regulation on fisheries VII,  
Staatsblad 315 of 1932, regarding  
angling, etc., in a part of the river  
Gent.

:mlr

F

New South Wales. Laws, 59-0570  
Statutes, etc. (1957)  
Govt. Gaz. N.S.W., (87):2449  
Proclamation under the fisheries and  
oyster farms act, 1935-1949 - 17 July  
1957

Rescinds the proclamation of 17 November  
1954 & prohibits the taking of fish by  
means of otter trawl nets of every  
description in the tidal & inland waters  
& for the period shown in the schedule.

:mlr

MF

New South Wales. Laws, 59-0571  
Statutes, etc. (1957)  
Govt.Gaz.N.S.W., (87):2449  
Proclamation under the fisheries and  
oyster farms act, 1935-1949 - 17 July  
1957

Prohibits the taking of fish by means  
of nets of every description other than  
the prescribed dip or scoop net for  
capture of prawns only, in the tidal  
waters & for the period shown in the  
schedule.

:mlr

M

New South Wales. Laws, 59-0574  
Statutes, etc. (1957)  
Govt.Gaz.N.S.W., (91):2526  
Proclamation under the fisheries and  
oyster farms act, 1935-1949 -  
24 July 1957

Prohibits the taking of fish by nets  
of every description in the inland  
waters & for the period shown in the  
schedule.

:mlr

F

New South Wales. Laws, 59-0572  
Statutes, etc. (1957)  
Govt.Gaz.N.S.W., (91):2526  
Proclamation under the fisheries and  
oyster farms act, 1935-1949 -  
24 July 1957

Prohibits the taking of fish by nets of  
every description other than a 20-ft.  
hand-hauled net & the proscribed dip  
or scoop net for the capture of prawns  
only in the tidal waters & for the  
period shown in the schedule.

:mlr

M

New South Wales. Laws, 59-0575  
Statutes, etc. (1957)  
Govt.Gaz.N.S.W., (94):2618  
Proclamation under the fisheries and  
oyster farms act, 1935-1949 -  
31 July 1957

Prohibits the taking of fish by means  
of nets of every description in the  
tidal waters & for the period shown in  
the schedule.

:mlr

M

New South Wales. Laws, 59-0573  
Statutes, etc. (1957)  
Govt.Gaz.N.S.W., (91):2526  
Proclamation under the fisheries and  
oyster farms act, 1935-1949 -  
24 July 1957

Prohibits the taking of fish by three  
methods in the inland waters & for the  
period shown in the schedule.

:mlr

F

New South Wales. Laws, 59-0576  
Statutes, etc. (1957)  
Govt.Gaz.N.S.W., (100):2759  
Proclamation under the fisheries and  
oyster farms act 1935-1949 -  
14 August 1957

Prohibits the taking of fish by all  
methods in the inland waters & during  
the period specified in the schedule.

:mlr

F



New South Wales. Laws, 59-0577  
Statutes, etc. (1957)  
Govt. Gaz. N.S.W., (100):2760  
Proclamation under the fisheries and  
oyster farms act, 1935-1949 -  
14 August 1957

Prohibits taking of fish by means of  
nets of every description other than  
the prescribed dip or scoop net for  
capture of prawns only, in the tidal  
waters & for period shown in schedule.

:mlr

M

South Australia. Laws, 59-0580  
Statutes, etc. (1957)  
S.A. Govt. Gaz., (34):311  
Fisheries act, 1917-1956: variation of  
proclamation published in G.G. on 11  
March 1937, p. 529 - 8 August 1957

Relates to garfish nets & crayfish.

:mlr

M

New South Wales. Laws, 59-0578  
Statutes, etc. (1957)  
Govt. Gaz. N.S.W., (105):2907  
Fisheries and oyster farms act, 1935-  
1949 - Regulations - 13 September 1957

In pursuance of provisions of the  
fisheries & oyster farms act, 1935-1949,  
amends the regulations made thereunder  
so as to extend them to markets  
established controlled or operated by a  
trading society, pursuant to  
provisions of sec. 10A of the co-  
operation act, 1923-1954.

:mlr

M

Colombia. Laws, 59-0581  
Statutes, etc. (1957)  
Diar. of., Colombia, (29.493):856  
Decreto n° 1793 que adscribe una  
actividad al Ministerio de Agricultura  
(Decreto no. 1793 attributing a function  
to the Ministry of Agricultura) -  
30 August 1957

The Ministry is authorized, in  
addition to furthering biological  
studies on marine fauna, to fix  
fisheries close seasons; regulate  
sizes of fishing net meshes & the type  
of gear to be used, establish the

Queensland. Laws, 59-0579  
Statutes, etc. (1957)  
Queensld Govt. Gaz., (117):1996  
Order in council under the "fish and  
oyster acts, 1914 to 1955" - 1 August  
1957

Prohibits the taking of all or any fish  
with a net or nets in the waters of  
Hervey Bay except between the 1st day  
of July & the 31st day of August in  
each year.

:mlr

M

59-0581  
(Card 2)  
minimum size of fish that may be  
legally taken, & issue fishing  
licences, etc.

:mlr

M

U.K. Ministry of Agriculture 59-0583  
Fisheries & Food (1958)

Fish.Lab., Lowestoft, 8 p.

On certain laws governing the dynamics  
of the fecundity of fishes

Translation of original article by  
G.V. Nikolski, "Ocherki po obshchim  
voprosam ikhtiologii" 1953, pp. 199-205.

SJH:

MF

Mexico, Laws,  
Statutes, etc. (1957)

59-0586

Diar.of., Mexico, (32):4

Acuerdo que fija normas para la  
explotación de langosta en aguas  
territoriales de la República  
(Resolution regulating the exploitation  
of lobster fishing in Mexican  
territorial waters) - 1 October 1957

M

Finland. Laws, 59-0584  
Statutes, etc. (1957)

Finl.Författningss., (288-292):598

Resolution no. 292 relative to  
premiums for killing seals - 15 August  
1957

Premiums of 2,000 Finnish marks for  
killing seals in Finnish waters,  
except in lake Saimaa, are payable by  
local authority upon application being  
made not later than January 15 of the  
following year.

:mlr

M

West Pakistan. Laws, 59-0587  
Statutes, etc. (1957)

Gaz.W. Pakistan, (38):526

In accordance with sec. 6 of the Indian  
fisheries act, 1897, as adopted by the  
Pakistan (provisional constitution  
order) the Governor of W. Pakistan  
makes the following rules for  
protection of fish in the waters of the  
Sheikhupura district

F

Finland. Laws, 59-0585  
Statutes, etc. (1957)

G.U., Finland, (283) Sardinia Suppl.:7

Regional act no. 37 specifying  
provisions relative to the exercise of  
duties in connection with fisheries -  
7 March 1957

Specifies the duties of the regional  
administration in connection with  
granting of fishing licences, exercising  
control of fishing activities, etc.

:mlr

MF

Union of South Africa. 59-0588  
Laws, Statutes, etc. (1957)

Govt.Gaz., S.A., (5928):9

Govt. notice no. 1217. Sea fisheries  
act, 1940. Amendment of regulations -  
16 August 1957

Amends the regulations promulgated under  
the sea fisheries act, 1940, (act no. 10  
of 1940) & published in Govt. notice  
no. 1353, dated 1st July 1955, as  
amended by Govt. notices nos. 1781,  
dated 9th Sept. 1955; 135 dated 27th  
Jan. 1956; 217, dated 15th Feb. 1956;  
1530, dated 24th Aug. 1956; & 2313 dated  
14th Dec. 1956 to the extent set out in

59-0588  
(Card 2)

the schedule hereto. It refers to collection of crabs, oysters, mussels, perle-moen, prawns, razor clams (pencil or pen-knife bait) & red bait.

:mlr

M

U.S. Treaties, etc. (1957) 59-0592  
Tr.int.Acts Ser., U.S., 3867  
Sockeye and pink salmon fisheries -  
Protocol between the USA & Canada -  
Amending convention of May 26, 1930 -  
28 December 1956

Concerns regulations & orders adopted by the commission set up under the convention, establishment of an advisory committee & coordinated investigations between the parties.

:mlr

MF

Union of South Africa. 59-0590  
Laws, Statutes, etc. (1957)  
Govt.Gaz., S.A., (5956):9  
Govt. notice no. 1556. Sea fisheries act, 1940. Amendment of regulations - 11 October 1957

Amends regulations promulgated under the said act & published in G.N. no. 1353, dated 1 July 1955, as amended by G.N.s nos. 1781, dated 9 Sept. 1955; 135, dated 27 Jan. 1956; 217, dated 15 Feb. 1956; 1530, dated 24 Aug. 1956; 2313, dated 14 Dec. 1956; & 1217, dated 16 Aug. 1957, to the extent set out in the schedule hereto.

:mlr

M

Ceylon. Laws, 59-0593  
Statutes, etc. (1957)  
Ceylon Govt. Gaz., P. I, Sec. I(11,222): 3630  
Proclamation by the Governor-General on continental or insular shelf - 19 December 1957

The Government of Ceylon has had & shall have full & exclusive sovereign rights over the sea-bed & subsoil of the continental or insular shelf adjoining the territory & beyond the territorial waters of Ceylon.

:mlr

M

Portugal. Laws, 59-0591  
Statutes, etc. (1957)  
Diar.Gov., Portugal, (236-I):988  
Legislative decree no. 41.324 approving Portuguese adherence to the agreement for the constitution of an Indo-Pacific Fisheries Council, signed at Baguio (Philippines) on 26 February 1948

M

Ceylon. Laws, 59-0594  
Statutes, etc. (1957)  
Ceylon Govt.Gaz., P.I, Soc.I(11,222): 3630  
Proclamation by the Governor-General on territorial waters - 19 December 1957

The territorial waters of Ceylon shall extend into the sea to a distance of 6 nautical miles measured from the appropriate baseline.

:mlr

M



Czechoslovakia. Laws, 59-0595  
Statutes, etc. (1957)  
Uřední List, Czech., (99):645  
Order of the Minister of Agriculture  
and Sylviculture, amending and  
amplifying the order, text 170 of 1953  
U.L. specifying fishing regulations -  
8 October 1957

Special provisions governing the  
exercise of fishing rights by aliens.

:mlr

F

Queensland. Laws, 59-0598  
Statutes, etc. (1957)  
Queensld Govt. Gaz., (135):1885  
A proclamation fixing Wednesday, the  
first day of January, 1958, as the day  
on which "The Fisheries Act of 1957"  
shall come into force - 12 December 1957

MF

Czechoslovakia. Laws, 59-0596  
Statutes, etc. (1957)  
Uřední List, Czech., (99):645  
Order of the Minister of Agriculture  
and Sylviculture amending the order  
text 363 of 1952 U.L. relative to the  
application of certain provisions of  
the fisheries act, text 62 of 1952 Sb.  
8 October 1957

F

Queensland. Laws, 59-0599  
Statutes, etc. (1957)  
Queensld Govt. Gaz., (135):1906  
Regulation under "The Fisheries Act of  
1957" - 12 December 1957

Determines fees for licences.

:mlr

MF

El Salvador. Laws, 59-0597  
Statutes, etc. (1957)  
Diar. of., El Salvador, (205):8843  
Decreto n° 111. Adiciónase inciso al  
reglamento para la aplicación de la  
ley de pesca y caza marítima  
(Decreto no. 111 adding a paragraph to  
the regulations made under the sea  
fishing and hunting act) - 16 October  
1957

Adds a paragraph to art. 36 of the  
regulations.

:mlr

M

Greece. Laws, 59-0600  
Statutes, etc. (1957)  
Ephem. Kubern., Greece, (186-I):1415  
Ministerial decree prohibiting the use  
of motor fishing boats for fishing in  
June, July, August and September of  
each year - 31 August 1957

Exceptions may be made in the case of  
vessels having adequate refrigeration  
facilities & meeting certain other  
conditions.

:mlr

M

New Zealand. Laws, 59-0601  
Statutos, etc. (1957)  
Statut.Rulos, N.Z., (178)

Freshwater fisheries regulations 1951,  
amendment no. 4 - 30 August 1957

Those regulations are made pursuant to  
the fisheries act, 1908, & amend the  
freshwater fisheries regulations, 1951  
by varying the bag limit of 20  
acclimatized fish to a bag limit of 20  
trout or salmon & excluding perch from  
the provisions of the bag limit.

:mlr

F

Spain. Laws, 59-0604  
Statutos, etc. (1958)  
Bol.of.Est., Spain, (11):84

Resolución de la Dirección General de  
montes por la que se señalan los  
períodos hábiles para la pesca del  
salmón y la trucha durante el año 1958  
(Resolution by the Directorate General  
of forestry indicating the open season  
for salmon and trout fishing during  
1958) - 10 January 1958

MF

Philippines. Laws, 59-0602  
Statutos, etc. (1957)

Off.Gaz., Philippines, (21):7627  
Bureau of fisheries. Fisheries  
administrative order no. 37-2, re-  
defining the areas of Maquoda and  
Villarcal Bays, including Zumarraga  
channel, Samar; and Carigara Bay, Loyto,  
where trawl fishing is prohibited  
amending for the purpose FAO no. 37, as  
amended - 24 September 1957

M

Union of South Africa. 59-0605  
Laws, Statutos, etc. (1957)  
Off.Gaz.S.W.A., (2096):706

Govt. notice no. 167. Amendment of  
regulations on sealing and fisheries -  
1 July 1957

Amends regulations published by Govt.  
notice no. 215 of 1949 by deletion of  
sub-regulation (11)(b) of regulation 2.

:mlr

M

Portugal. Laws, 59-0603  
Statutos, etc. (1957)

Diar.Gov., Portugal, (287-I):1334  
Legislative decree no. 41.450 revoking  
decree no. 18.023, art. 23 of decree  
no. 16.135 and art. 13, art. 18 para. 9  
of decree no. 16.798; maintaining  
provisionally in force the provision of  
art. 13 and art. 18 para. 9 of decree  
no. 16.798 (provisions governing sardine  
fishing) - 18 December 1957

M

Ireland. Laws, 59-0606  
Statutos, etc. (1957)  
S.R. & O., (177):

The sea-fishing industry (immature sea-  
fish) (Northern Ireland), 1957; made by  
the Ministry of Commerce under sec. 1 of  
the sea-fishing industry act (Northern  
Ireland), 1933 - 16 August 1957

No person shall sell, expose or offer  
for sale, or have in his possession for  
the purpose of sale, any sea-fish of  
the specified description & measurements.  
The sea-fishing industry (immature sea-  
fish) order (Northern Ireland), 1948,  
S.R. & O. 1948, no. 232, is hereby  
revoked.

:mlr

M

Canada. Laws, 59-0607  
Statutes, etc. (1958)  
Canada Gaz., P.II, 92(1):74-7  
DORS/58-19. Loi sur la convention  
relative aux phoques à fourrure.  
Proclamé en vigueur le 16 décembre 1957  
(SOR/58-19. Pacific fur seals convention  
act. Proclaimed in force December 16,  
1957) - 13 December 1957

M

Canada. Laws, 59-0610  
Statutes, etc. (1958)  
Canada Gaz., P.II, 92(1):7  
DORS/58-4. Loi sur les pêcheries -  
Règlement de pêche de la Colombie-  
Britannique: modification - C.P. 1957-  
1682 (SOR/58-4. Fisheries act -  
British Columbia fishery regulations,  
amended. P.C. 1957-1682) - 20 December  
1957

Replaces subsec. (2) of sec. 31  
concerning licences of the British  
Columbia fishery regulations made by  
order in council P.C. 1954-1920 of  
8 December 1954.

:mlr

MF

New South Wales. Laws, 59-0608  
Statutes, etc. (1957)  
N.S.W. Govt. Gaz., (133):3428  
Fisheries and oyster farms act, 1935-  
1949 - Proclamation - 25 September 1957

Prohibits the taking of fish by spears  
aided by lights in the whole of the  
tidal waters of New South Wales.

:mlr

M

Canada. Laws, 59-0611  
Statutes, etc. (1957)  
Canada Gaz., P.II, 92(1):8  
DORS/58-5. Loi sur les pêcheries.  
Règlement de pêche de l'Ontario:  
modifications. C.P. 1957-1683  
(SOR/58-5. Fisheries act. Ontario  
fishery regulations, amended. P.C. 1957-  
1683) - 20 December 1957

Miscellaneous amendments of the  
regulations made by order in council  
P.C. 1954-160 of 3 February 1954 as  
amended on 7 November 1956.

:mlr

F

Belgium. Laws, 59-0609  
Statutes, etc. (1957)  
Monit. belge, (326):8276  
Loi modifiant et complétant la loi du  
1er juillet 1954 sur la pêche fluviale  
(Act amending and amplifying the act of  
1 July 1954 relative to river fishing) -  
10 July 1957

Amends art. 2 of the earlier act which  
states that fishing rights in rivers &  
canals classified by the Crown as  
navigable watercourses belong to the  
State.

:mlr

F

Ireland. Laws, 59-0612  
Statutes, etc. (1958)  
Iris oif., Ireland, (11):173  
Galway district bye-law no. 494, made  
under the fisheries acts, 1842 to 1956 -  
5 February 1958

Prohibits the taking & killing by any  
means whatsoever in the waters of Lough  
Corrib & Lough Mask any trout of less  
than 10 inches in length.

:mlr

F



Ireland. Laws, 59-0613  
Statutes, etc. (1958)  
Iris oif., Ireland, (11):174  
Galway district close season byo law  
no. C.S. 108, made under the fisheries  
acts, 1842 to 1956 - 5 February 1958

M

Union of South Africa. 59-0616  
Laws, Statutes, etc. (1958)  
Govt.Gaz., S.A., (5993):15  
G.N. no. 48. Sea fisheries act, 1940 -  
Amendment of regulations - 10 January  
1958

Amends the regulations promulgated  
under the said act & published in  
Govt. notice no. 1353, dated 1st July  
1955, as amended.

:mlr

M

Nicaragua. Laws, 59-0614  
Statutes, etc. (1957)  
Gaceta, Nicaragua, (292):2906  
Explotación de nuestra riqueza pesquera  
por compañías extranjeras  
(Resolution no. 8-V relative to  
exploitation of Nicaraguan fisheries  
resources by foreign companies) -  
6 December 1957

As a preliminary to the admission of  
foreign companies to such operations,  
the resolution places a certain firm  
under contract to carry out preliminary  
investigation & research work.

:mlr

MF

U.S. Laws, 59-0617  
Statutes, etc. (1957)  
Fed.Regist., U.S., 22(238):9867  
CFR 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - Part 109:  
Cook inlet area - closed season on  
king crabs - 6 December 1957

On the basis of an active research  
program on king crab in Cook inlet, it  
has been determined that the time of  
moulting can be accurately determined  
& closure then recommended as has been  
done successfully at Kodiak. Therefore,  
para. 109.24a is deleted.

:mlr

M

Spain. Laws, 59-0615  
Statutes, etc. (1958)  
Bol.of.Est., Spain, (36):212  
Orden por la que se estableco la veda  
de la sardina en las regiones  
Cantábrica y Noroeste (Order  
establishing the close season for  
sardine fishing in the Cantabrian and  
North West regions) - 6 February 1958

M

Franco. Laws, 59-0618  
Statutes, etc. (1958)  
J.off.Républ.franc., (5):246  
Décret fixant l'assiette de la taxe  
piscicole (Decree fixing the basic  
rate of the fish-breeding tax) -  
30 December 1957

Specifies the various basic rates  
according to the scale of fisheries  
concerned as defined in the text.

:mlr

F

Italy. Laws, 59-0619  
Statutes, etc. (1957)  
Gazz.uff., (308):4419  
Ministerial decree specifying  
regulations governing the exercise of  
agricultural pisciculture in rice-  
growing areas - 7 December 1957

F

Iraq, Laws, 59-0622  
Statutes, etc. (1957)  
Off.Gaz., Iraq, (4069):2  
Official order - (undated)

Claims the Government's right to  
possession & exploitation of resources  
of Iraq continental shelf.

:mlr

M

Argentina. Laws, 59-0620  
Statutes, etc. (1958)  
Bol.of., Argentina, (18.589):1  
Decreto-ley n° 281 - Ratificase la  
convención internacional para la  
reglamentación de la caza de la ballena  
(Legislative decree no. 281 ratifying  
the international convention on  
regulation of whale fishing) -  
10 January 1958

Refers to convention of 2 December 1946  
& protocol of 19 November 1956.

:mlr

M

Netherlands. Laws, 59-0623  
Statutes, etc. (1958)  
Staatscourant, (38):8  
Order no. Vi.381/Directie v.d.  
Visserijen, issued by the Minister of  
Agriculture, Fisheries etc., cancelling  
the tench fishing close season for  
1958 - 21 February 1958

The prohibition contained in various  
articles of the 1952 fishing regulations,  
Stc. 315 etc., do not apply to tench-  
fishing in 1958.

:mlr

F

Canada. Laws, 59-0621  
Statutes, etc. (1958)  
Canada Gaz., II, (3):109  
SOR/58-37. Order in council P.C. 1958-  
72 to amend the whaling regulations,  
pursuant to the whaling convention act -  
16 January 1958

Amends SOR/54-540 as amended by SOR/57-  
129 extensive new whale protection  
measures in ss.1, 8 & 10.

:mlr

M

Canada. Laws, 59-0624  
Statutes, etc. (1958)  
Canada Gaz., II (3):129  
SOR/58-42. Order in council P.C. 1958-  
123 to amend the lobster fishery  
regulations, pursuant to the fisheries  
act - 25 January 1958

Amends SOR/57-135: increased min.  
length of lobster in schedule, item 5.

:mlr

M

Canada. Laws, 59-0625  
Statutes, etc. (1958)  
Canada Gaz., P. II, (92):265, 257  
DORS/58-76. Loi sur les pêcheries.  
Règlement de pêche de l'Ontario -  
Modifications. C.P. 1958-286 (SOR/  
58-76. Fisheries act - Ontario fishery  
regulations, amended. P.C. 1958-286) -  
18 February 1958

Amends Ontario fishery regulations  
SOR/54-36, as amended SOR/58-5:  
restrictions on import of live bait  
fish & Serrasalmus rhombus.

:mlr

F

Turkey. Laws, 59-0623  
Statutes, etc. (1958)  
Resmî Gaz., Turkey, (9851):18,884  
Circular no. 5 relative to fisheries  
reorganization - (undated)

Prohibits taking of fish spp. used for  
caviar production in certain rivers &  
their estuaries during season when fish  
are returning to sea after laying eggs,  
etc.

:mlr

MF

Canada. Laws, 59-0626  
Statutes, etc. (1958)  
Canada Gaz., II(6):408, 302  
DORS/58-91. Décret C.P. 1958-342  
modifiant le règlement de pêche de la  
Colombie Britannique, en vertu de la  
loi sur les pêcheries (SOR/58-91.  
Order in council P.C. 1958-342 amending  
the British Columbia fishery  
regulations, pursuant to the fisheries  
act) - 4 March 1958

Amends the regulations of 8.12.1954  
(SOR/54-659), as amended (SOR/58-4):  
new version of sections 75 & 94.

:mlr

MF

Union of South Africa. 59-0629  
Laws, Statutes, etc. (1958)  
Govt. Gaz., S.A., (6038):17  
Govt. Notice no. 454. Sea fisheries  
act, 1940 - Amendment of regulations -  
28 March 1958

Amends regulations promulgated under  
said act & published in Govt. notice  
no. 1353 dated 1.7.55, as amended by  
G.N. nos. 1781 dated 9.9.1955, 135 dated  
27.1.1956, 217, dated 15.2.1956, 1530,  
dated 24.8.1956, 2313, dated 14.12.1956,  
1217, dated 16.8.1957, 1556, dated 11.  
10.1957, & 48, dated 10.1.1958. The  
amendment establishes that no person

Spain. Laws, 59-0627  
Statutes, etc. (1958)  
Bol. of Est., Spain, (62):2314  
Orden por la que se fijan normas para  
la captura y venta en fresco de la  
anchoa en la región cantábrica  
(Order regulating the taking or sale,  
fresh, of anchovies in the Cantabrian  
region) - 28 February 1958

59-0629  
(Card 2)  
shall use a whale catcher attached to a  
land station for purpose of killing or  
attempting to kill sperm whales &  
valoon whales in any area or in any  
waters except during the periods  
established in the schedule.

M

:mlr

M



U.K. Laws, 59-0631  
Statutes, etc. (1958)  
Statut.Instr., (279)  
The sea-fishing industry (fishing nets)  
(amendment) order, 1958 - 20 February  
1958

Effects further postponement until  
5th April 1961, of requirements for  
adoption of a larger net by British  
fishing boats in certain waters, under  
the sea-fishing industry (fishing nets)  
order, 1956.

:mlr

M

Argentina. Laws, 59-0632  
Statutes, etc. (1958)  
Bol.of., Argentina, (18.557):1  
Decreto n° 16.686. Comisión encargada  
de la racionalización de la pesca y  
su respectiva comercialización  
(Decreto no. 16,686 establishing a  
commission to rationalize fisheries  
and the marketing of fisheries  
products) - 23 December 1957

The commission, operating under the  
Ministry of Commerce & Industry, will  
report within 180 days of its  
appointment.

:mlr

MF

Canada. Laws, 59-0633  
Statutes, etc. (1958)  
Canada Gaz., II(7):470, 448  
DORS/58-113. Décret C.P. 1958-445  
modifiant le règlement de la  
convention pour les pêcheries de  
l'Atlantique nord-ouest, en vertu de la  
loi sur la convention pour les  
pêcheries de l'Atlantique nord-ouest  
(SOR/58-113. Order in council P.C.  
1958-445 to amend the Northwest  
Atlantic fisheries convention  
regulations, pursuant to the Northwest  
Atlantic fisheries convention act) -  
29 March 1958

Amends regulations of 28.2.1957 (SOR/

59-0633  
(Card 2)  
57-67): miscellaneous amendments  
affecting size of mesh etc. in ss. 3,  
4, 6 & 7.

:mlr

M

Canada. Laws, 59-0635  
Statutes, etc. (1958)  
Canada Gaz., II(7):472, 450  
DORS/58-114. Décret C.P. 1958-446:  
règlement de 1958 sur la pêche du  
flétan dans le Pacifique, en vertu de  
la loi sur la convention relative à la  
pêche du flétan dans le Pacifique  
septentrional (SOR/58-114. Order in  
council P.C. 1958-446: Pacific halibut  
fishery regulations, 1958, pursuant to  
the Northern Pacific halibut fishery  
convention act) - 29 March 1958

New regulations revoking those of 1957  
published in SOR/57-97.

:mlr

M

Canada. Laws, 59-0636  
Statutes, etc. (1958)  
Canada Gaz., II(7):463, 441  
DORS/58-109. Décret C.P. 1958-441  
modifiant les règlements de pêche du  
Nouveau-Brunswick, en vertu de la loi  
sur les pêcheries (SOR/58-109.  
Order in council P.C. 1958-441 to amend  
N.Brunswick fishing regulations,  
pursuant to the fisheries act) -  
29 March 1958

Amends the regulations of 8.12.1954  
(SOR/54-657), as amended (SOR/57-394):  
Affects salmon fishing in ss. 24, 25,  
28 & 30.

:mlr

MF

Canada. Laws, 59-0637  
Statutes, etc. (1958)  
Canada Gaz., II(7):465, 443  
DORS/58-110. Décret C.P. 1958-442  
modifiant le règlement de pêche de la  
Saskatchewan, en vertu de la loi sur les  
pêcheries (SOR/58-110. Order in  
council P.C. 1958-442 to amend the  
Saskatchewan fishery regulations,  
pursuant to the fisheries act) - 29 March  
1958

Amends the regulations of 13.7.1954  
(SOR/54-313), as amended (SOR/56-118):  
miscellaneous amendments affecting inter  
alia length of commercial fishing seasons  
(S. 6) & angling rules (S.4).

:mlr

MF

Finland. Laws, 59-0638  
Statutes, etc. (1958)  
Finl.Författningss., (82-91):254  
Resolution no. 91 of the Ministry of  
Agriculture relating to the catching of  
whitefish in certain waters in Juuka  
Commune - 21 February 1958

Permits the catching for domestic  
purposes, but during the month of  
November only, of certain whitefish  
varieties in 4 lakes in the commune of  
Juuka, even if the fishes do not fulfil  
the minimum size requirements & nets  
with smaller mesh than stipulated in the  
fishery act are used.

:mlr

F

Union of South Africa. 59-0639  
Laws, Statutes, etc. (1958)  
Govt. Gaz., S.A., (6045):6  
Govt. notice no. 525. Sea fisheries act,  
1940. Whaling seasons for land stations -  
11 April 1958

Lays down the periods during which whale  
catchers attached to land stations may be  
used for the purpose of killing or  
attempting to kill sperm whales & baleen  
whales, incl. minke whales.

:mlr

M

Cyprus. Laws, 59-0640  
Statutes, etc. (1958)  
Cyprus Gaz., Suppl. 2 (4126):41  
Fisheries (amendment) law, 1958.  
Statute law no. 8 of 1958 - 18 April  
1958

Minor amendments of secs. 6 & 8 of the  
principal law (Cap. 88, no. 21 of 1951).

:mlr

M

U.S. Laws, 59-0641  
Statutes, etc. (1958)  
Fed. Regist., U.S., (76):2503  
CFR 50. Chapt. I - Subchapt. F: Alaska  
commercial fisheries - Revision of  
regulations - 16 April 1958

Full text of subchapt. given.

:mlr

M

U.S. Laws, 59-0642  
Statutes, etc. (1958)  
Publ. Laws, U.S., 85-342, 85th Congress,  
S. 1552  
An act to authorize the secretary of  
the Interior to establish a program for  
the purpose of carrying on certain  
research & experimentation to develop  
methods for commercial production of  
fish on flooded rice acreage in rotation  
with rice field crops, & for other  
purposes - 15 March 1958

F

U.S. Laws, 59-0643  
 Statutes, etc. (1958)  
Fed.Regist., U.S., 23(91):3063  
 CFR 50 - Chapt. III - International  
 regulatory agencies (fishing and whaling);  
 Subchapt. B: international whaling  
 commission - Part 351: whaling - 2 May  
 1958

The whaling regulations, as last amended  
 in Oct. 1957, have been edited but no  
 changes have been made in the  
 substantive provisions.

:mlr

M

Australia. Laws, 59-0644  
 Statutes, etc. (1958)  
Commonw.Aust.Gaz., (26):1339  
 Proclamation declaring all Australian  
 waters north of the parallel 27 degrees  
 south latitude not being adjacent to the  
 territories of Papua and of New Guiana to  
 be proclaimed waters for the purposes of  
 the pearl fisheries act 1952-1953 -  
 23 April 1958

Revokes proclamation published in Gazette  
 on 20 May 1954.

:mlr

M

New South Wales. Laws, 59-0645  
 Statutes, etc. (1957)  
N.S.W. Anno Sexto ELIZ.II Reg., Acts 1957  
 (52)  
 An act to make further provisions with  
 respect to the taking of fish in inland  
 waters; to amend the fisheries and  
 oyster farms act, 1935-1949, in certain  
 respects; and for purposes connected  
 therewith. S.T.: fisheries and oyster  
 farms (amend.) act, 1957 - 4 December 1957

Relates to licensing of persons to angle  
 in inland waters.

:mlr

F

New South Wales. Laws, 59-0646  
 Statutes, etc. (1958)  
Govt.Gaz.N.S.W., (49):1392  
 Fisheries and oyster farms act, 1935-  
 1957 - Proclamation - 16 April 1958

Prohibits taking of fish by means of  
 spears, spear gun & similar devices in  
 the whole of the inland waters within  
 State of New South Wales & in the whole  
 of the waters within territorial limits  
 on the whole of the ocean beaches  
 within State of New South Wales.

:mlr

MF

Chile, Laws, 59-0647  
 Statutes, etc. (1958)  
Bol.of., Chile, (24.075):1143  
 Decreto no. 333. Reglamenta el  
 otorgamiento de permisos de pesca con  
 barcos extranjeros en aguas territo-  
 riales (Decree no. 333 regulating  
 the grant of licences to fish in  
 territorial waters with foreign vessels)  
 - 18 March 1958

M

Colombia. Laws, 59-0648  
 Statutes, etc. (1958)  
Diar.of., Colombia, (29.631):649  
 Decreto legislativo n° 0376 por el cual  
 se dictan normas sobre pesca en aguas  
 colombianas (Legislative decree  
 no. 0376 of 1957 containing regulations  
 governing fishing in Colombian waters) -  
 13 December 1957

M



Canada. Laws, 59-0649  
Statutes, etc. (1958)  
Canada Gaz., II(9):596, 564  
DORS/58-152. Décret C.P. 1958-588  
modifiant le règlement de pêche de la  
Colombie-Britannique, en vertu de la loi  
sur les pêcheries (SOR/58-152. Order  
in council P.C. 1958-588 amending the  
British Columbia fishery regulations,  
pursuant to the fisheries act) -  
28 April 1958

Amends regulations of 8.12.1954 (SOR/54-  
659) as amended (SOR/50-91): minor  
changes in s.75(3) (a).

:mlr

MF

Canada. Laws, 59-0650  
Statutes, etc. (1958)  
Canada Gaz., II(9):597, 565  
DORS/58-153. Décret C.P. 1958-589  
modifiant le règlement de pêche de la  
Nouvelle-Ecosse, en vertu de la loi sur  
les pêcheries (SOR/58-153. Order in  
council P.C. 1958-589 to amend the Nova  
Scotia fishery regulations, pursuant  
to the fisheries act) - 28 April 1958

Amends the regulations of 31.12.1954  
(SOR/54-728) as amended (SOR/57-423):  
miscellaneous minor changes to ss. 23, 25  
& 35.

:mlr

MF

Canada. Laws, 59-0651  
Statutes, etc. (1958)  
Canada Gaz., II(9):599, 567  
DORS/58-154. Décret C.P. 1958-590  
modifiant le règlement de pêche de l'Île  
du Prince-Édouard, fait en vertu de la  
loi sur les pêcheries (SOR/58-154.  
Order in council P.C. 1958-590 to amend  
the Prince Edward Island fishery  
regulations pursuant to the fisheries  
act) - 28 April 1958

Amends regulations of 8.12.1954 (SOR/54-  
660) as amended (SOR/57-396):  
Miscellaneous changes to s. 16 & 37  
(oyster season), 26 ) 29 (salmon season).

:mlr

MF

Canada. Laws, 59-0652  
Statutes, etc. (1958)  
Canada Gaz., II(9):600, 568  
DORS/58-155. Décret C.P. 1958-621  
modifiant le règlement de pêche du  
Québec, en vertu de la loi sur les  
pêcheries (SOR/58-155. Order in  
council P.C. 1958-621 to amend the  
Quebec fishery regulations, pursuant  
to the fisheries act) - 1 May 1958

Amends the regulations of 22.12.1954  
(SOR/54-712) as amended (SOR/57-389):  
minor changes to ss.13, 15, 16, 29, 30,  
33, 36, 37, 55, 57, 59, 64 & 66, largely  
concerning trout & salmon.

:mlr

MF

Canada. Laws, 59-0653  
Statutes, etc. (1958)  
Canada Gaz., II, 92(10):625, 659  
DORS/58-183. Loi sur les pêcheries.  
Règlement de pêche du Manitoba:  
modifications. C.P. 1958-692  
(SOR/58-183. Fisheries act. Manitoba  
fishery regulations, amended. P.C. 1958-  
692) - 15 May 1958

Concerns ss.2 & 4 on summer fishing  
for commercial purposes.

:mlr

F

Canada. Laws, 59-0654  
Statutes, etc. (1958)  
Canada Gaz., II, 92(10):638, 673  
DORS/58-189. Loi sur les pêcheries,  
proclamée en vigueur, à l'exception de  
l'article 13, à Terre-Neuve à compter  
du 1<sup>er</sup> mai 1958 (SOR/58-189.  
Fisheries act of 1952. Proclaimed in  
force with the exception of sec. 13;  
in Newfoundland, May 1, 1958)

Greece. Laws,  
Statutes, etc. (1958)  
Ephem.Kubern., Greece, (43-I):361  
Ministerial decree suspending the  
validity of art. 9 of the royal decree  
regulating fishing with motor vessels -  
16 March 1958

M

Greece. Laws,  
Statutes, etc. (1958)  
Ephem.Kubern., Greece, (37-II):307  
Ministerial decree no. 33.460 relative  
to issue of a state guarantee to the  
Agrarian Bank of Greece in respect of  
grant of loans for sponge fishing  
during 1958 - 3 February 1958

M

Iraq. Laws,  
Statutes, etc. (1958)  
Off.Gaz., Iraq, (4099).  
Notice no. 2 of 1958 on fisheries --  
(undated)  
  
Prohibits fishing in certain localities  
during spawning time.

:mlr

MF

Italy. Laws,  
Statutes, etc. (1958)  
Gazz.uff., (5):74  
Act no. 1457 relative to the  
establishment of a working fund for the  
exercise of fisheries credit -  
27 December 1957

MF

Union of South Africa. Laws,  
Statutes, etc. (1958)  
Govt.Gaz., S.A., (6056):30  
Govt. notice no. 684 to amend the  
regulations made under the sea fisheries  
act, 1940 - 16 May 1958  
  
Amends the definitions & sizes of nets.

:mlr

M

Netherlands. Laws,  
Statutes, etc. (1958)  
Staatscourant, (103):6  
Order no. Vi.2107/Directie van de  
Visseijen, issued by the Minister of  
Agriculture, Fisheries etc.,  
establishing taxes payable for  
improvement of inland fisheries -  
2 June 1958

F

France. Laws,  
Statutes, etc. (1958)  
J.off.Républ.franç., (226):8847  
Décret n° 58-877 portant publication du  
protocole du 19 novembre 1956 complétant  
la convention internationale pour la  
réglementation de la chasse à la  
baleine du 2 décembre 1946 (Decree  
no. 58-877 publishing the protocol of  
19 November 1956 amplifying the inter-  
national convention governing whale-  
fishing of 2 December 1946) -  
15 September 1958

M

Portugal. Laws,  
Statutes, etc. (1958)  
Diar.Gov., Portugal, (69-I):205  
Legis. decree no. 41.579 fixing the  
regulations to be observed by vessels  
registered to engage in controlled  
fisheries - 2 April 1958

Conditions for registration & re-  
registration of vessels for this  
purpose, etc.

:mlr

M

Austria. Laws,  
Statutes, etc. (1958)  
Landesgesetzbl.Burgenld., (20):43  
Act amending and amplifying the  
fisheries act of 1949, LGBL.No. 1 -  
30 July 1958

F

Queensland. Laws,  
Statutes, etc. (1958)  
Queensld Govt.Gaz., (2):22  
Order in council under "The Fisheries  
Act of 1957" - 4 September 1958

Repeals order in council dated 7th  
September 1950 & prohibits the taking  
of the sp. of turtle known as "green  
turtle", Chelone mydas, & its eggs in  
Queensland waters south of latitude  
15 deg.S.

:mlr

M

Chile, Laws,  
Statutes, etc. (1958)  
Diar.of., Chile, (24.165):1848  
Decreto n° 767 derogando el decreto  
n° 113, de 1954, y modificando el  
decreto n° 1.584, de 1934, del Ministerio  
de Fomento (Decree no. 767 revoking  
decree no. 113 of 1954 and amending  
decree no. 1.584 of 1934, by the  
Ministry of Development) - 31 July 1958  
  
Concerns conditions governing grant of  
fishing licences.

:mlr

MF

New Zealand. Laws,  
Statutes, etc. (1958)  
Statut.Rules, N.Z., (103)  
Cook Islands pearl shell fisheries  
regulations 1950, amendment no. 3 -  
10 July 1958

Under-sized pearl shell sized by an  
inspector is forfeited to the Crown &  
may be disposed of as the Minister of  
island territories directs.

:mlr

M



Sweden. Laws, 59-0667

Statutes, etc. (1958)

Svensk Författningss., (700-701):1781

Royal order no. 700 amending articles

1 & 5 of the order no. 699 of 21

November 1952 specifying certain

provisions relative to the size of mesh

of fishing nets & minimum dimensions of

fish etc. - 20 December 1958

MF

Canada. Laws,

59-0670

Statutes, etc. (1958)

Canada Gaz., II, 92(17):1070, 1128

DORS/58-361. Loi sur la marine marchande

du Canada - Règlement sur l'inspection

des grands bateaux de pêche. Modifica-

tions. C.P. 1958-1219 (SOR/58-361.

Canada shipping act - Large fishing

vessel inspection regulations, amended -

P.C. 1958-1219) - 28 August 1958

Amends the regs. made 12 July 1956

(SOR/56-251), as amended (SOR/57-323):

affects s.19(2) & (3).

:mlr

M

Sweden. Laws, 59-0668

Statutes, etc. (1958)

Svensk Författningss., (36-37):57

Royal order no. 36 specifying special

protection provisions for plaice and

flounder - 7 February 1958

M

Philippines. Laws,

59-0671

Statutes, etc. (1958)

Off.Gaz., Philippines, (13):3989

Republic act no. 2051. An act to amend

sec. 830 of the tariff and customs code

of the Philippines - (Approved) 21 May

1958

Refers to every vessel of Philippine  
registry of not less than 10 gross tons  
more than 150 gross tons, which is  
operated exclusively for catching &  
transporting fish in the territorial  
waters of the Philippines. Manning  
requirements.

:mlr

M

France. Laws, 59-0669

Statutes, etc. (1958)

J.off.Républ.franç., (167):6689

Décret n° 58-604 portant publication de

l'accord du 3 juin 1955 concernant la

convention internationale du 6 mai 1882

pour régler la police de pêche dans la

mer du Nord (Decree no. 58-604

publishing the agreement of 3 June 1955

relative to the international convention

of 6 May 1882 governing fisheries

police in the North Sea) - 18 July 1958

M

Tasmania. Laws,

59-0672

Statutes, etc. (1958)

Tasmanian Govt.Gaz., (13,251):1463

S.R. 1958, no. 116. Freshwater fisheries

(amendment) regulations, 1958, under the

fisheries act 1935

Contain several amendments relating to  
restrictions on the taking of fish,  
places where the taking of fish is  
prohibited, & licences.

:mlr

F

Belgium. Laws, 59-0673  
Statutes, etc. (1958)  
Monit.belge, (159):4784  
Arrêté royal portant des mesures pour  
prévenir l'épuisement des réserves de  
poissons, de crustacés et de mollusques  
en mer (Royal order specifying  
measures for preventing the exhaustion  
of marine reserves of fish, crustaceous  
and molluscs) - 7 May 1958

M

Italy. Laws, 59-0676  
Statutes, etc. (1958)  
Gazz.uff., (88):1557  
Act no. 281 specifying provisions for  
the development and control of  
maritime fisheries - 13 March 1958

M

Canada. Laws, 59-0674  
Statutes, etc. (1958)  
Canada Gaz., II(18):1148, 1088  
DORS/58-375. Décret C.P. 1958-1232  
modifiant le règlement de pêche de  
l'Île du Prince Édouard en vertu de la  
loi sur les pêcheries (SOR/58-375.  
Order in council P.C. 1958-1232 amending  
the Prince Edward Island fishery  
regulations, pursuant to the fisheries  
act) - 4 September 1958

Revokes & substitutes subsec.(1) of  
sec.52 of the regulations SOR/54-660.  
Catching of trout prohibited from 1st  
October to 14 April.

:mlr

MF

Turkey. Laws, 59-0677  
Statutes, etc. (1958)  
Resmî Gaz., Turkey, (9887):19,139  
Circular regarding fisheries re-  
organization

MF

Finland. Laws, 59-0675  
Statutes, etc. (1958)  
Finl.Författnings., (221-225):490  
Resolution no. 224 of the Ministry of  
Agriculture relative to the use of  
metal mesh traps in the waters of  
Kokemäki, Kymi and Vuoksi rivers -  
29 May 1958

F

U.S. Laws, 59-0678  
Statutes, etc. (1958)  
Fed.Regist., U.S., 23(147):5696  
CFR 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - Part 115:  
southeastern Alaska area - Fishing for  
herring permitted - 25 July 1958

M

U.S. Laws, 59-0679  
Statutes, etc. (1958)  
P.C. 85-887, S. 2719  
An act authorizing and directing the Secretary of the Interior to investigate and eradicate the predatory dogfish sharks to control the depredations of the species on the fisheries of the Pacific coast, and for other purposes - 2 September 1958

M

U.S. Laws, 59-0682  
Statutes, etc. (1958)  
Publ.Laws, U.S., 85-888, S. 3295  
An act to amend the fish and wildlife act of 1956 in order to increase the authorization for the fisheries loan fund established under such act - 2 September 1958

Fund increased from \$10 million to \$20 million.

:mlr

MF

Peru. Laws, 59-0680  
Statutes, etc. (1958)  
Peruano, (5174):1  
Decreto supremo n° 21. La dirección de pesquería se encargará de la estadística pesquera en todo el país (Supremo decreto no. 21 by the terms of which the Fisheries Department will be responsible for fisheries statistics throughout the country) - 25 June 1958

MF

Italy. Laws, 59-0683  
Statutes, etc. (1958)  
Gazz.uff., (83):1443  
Act no. 250 specifying provisions on behalf of fishermen engaged in small-scale marine and internal waters fisheries - 13 March 1958

MF

U.S. Laws, 59-0681  
Statutes, etc. (1958)  
Fed.Regist., U.S., 23(158):6201  
CFR 50 - Chapt. 1 - Subchapt. J: fisheries loan fund - Part 160: loan procedures - 7 August 1958

MF

Belgium. Laws, 59-0684  
Statutes, etc. (1958)  
Monit.belge, (103):2736  
Loi portant approbation de l'accord signé à La Haye, le 3 juin 1955, concernant la convention internationale pour régler la police de la pêche dans la mer du Nord, signé à la Haye, le 6 mai 1882 (Act providing the agreement signed at The Hague on 3 June 1955 relative to the international convention on the control of North Sea fisheries, signed at The Hague on 6 May 1882) - 11 March 1958

M



Canada. Laws, 59-0685  
Statutes, etc. (1958)  
Canada Gaz., II, 92(11):681, 647  
DORS/58-195. Loi sur la convention pour  
les pêcheries de l'Atlantique nord-  
ouest. Règlement de la convention pour  
les pêcheries de l'Atlantique nord-  
ouest. C.P. 1958-715 (SOR/58-195.  
Northwest Atlantic fisheries convention  
act. Northwest Atlantic fisheries  
convention regulations. P.C. 1958-715) -  
22 May 1958

Revokes Northwest Atlantic fisheries  
convention regs. of 28 Feb. 1957 (SOR/  
57-67), as amended (SOR/58-113), &

France. Laws, 59-0688  
Statutes, etc. (1958)  
J.off.Républ.franc., (82):3373  
Décret n°58-368 relatif à la réglemen-  
tation de la pêche dans les eaux  
françaises du lac Léman (Decree  
no. 58-368 relative to regulations  
governing fishing in the French waters  
of the lake of Geneva) - 2 April 1958

F

59-0685  
(Card 2)  
makes the annexed regs. in substitution  
therefor.

:mlr

M

Belgium. Laws, 59-0689  
Statutes, etc. (1958)  
Monit.belge. (73):1755  
Arrêté royal portant organisation d'une  
aide financière pour encourager  
l'amélioration des installations et du  
matériel à bord des bateaux de pêche  
belges (Royal order organizing  
financial aid to encourage the  
improvement of installations and  
equipment aboard Belgian fishing craft)-  
1 March 1958

M

Colombia. Laws, 59-0687  
Statutes, etc. (1958)  
Mimeo  
Resolución n° 296 reglamentando  
permisos para embarcaciones pesqueras  
en aguas marítimas colombianas  
(Resolution no. 296 regulating fishing  
boat licences in Colombian waters) -  
10 March 1958

M

New South Wales. Laws, 59-0690  
Statutes, etc. (1958)  
Govt.Gaz.N.S.W., (59):1797  
Fisheries and oyster farms act, 1935-  
1957 - Regulations - 13 June 1958

Fishing restrictions affecting any  
sp. of groper.

:mlr

M

Western Australia. Laws, 59-0691  
Statutes, etc. (1958)  
Govt.Gaz.W.A., (43):1174  
Fisheries act, 1905-1956 - Amendment -  
28 May 1958

Amends second schedule of fisheries act,  
1905-1956 which lists the spp. of  
protected fish.

:mlr

MF

Western Australia. Laws, 59-0694  
Statutes, etc. (1958)  
Govt.Gaz.W.A., (52):1485  
Proclamation under the fisheries act,  
1905-1956. Prohibiting all persons from  
taking by any means of capture whatso-  
ever the fish known as or called "cray-  
fish" in a specified portion of Western  
Australian waters - 2 July 1958

M

Western Australia. Laws, 59-0692  
Statutes, etc. (1958)  
Govt.Gaz.W.A., (48):1369  
Proclamation under the fisheries act,  
1905-1956 - 18 June 1958

Amends schedule to sec. 29 of the act  
by adding thereto crucian carp, English  
perch, trout (all spp.) & marron.

:mlr

MF

Canada. Laws, 59-0695  
Statutes, etc. (1958)  
Canada Gaz., II, 92(13):800, 762  
DORS/58-256. Loi sur les pêcheries;  
règlement de 1958 pour la pêche au  
saumon sockeye du Fraser. C.P. 1958-  
888 (SOR/58-256. Fisheries act.  
Fraser river sockeye salmon fishery  
regulations, 1958. P.C. 1958-888) -  
26 June 1958

MF

Western Australia. Laws, 59-0693  
Statutes, etc. (1958)  
Govt.Gaz.W.A., (48):1394  
Notification under the fisheries act,  
1905-1956. Conditions to be imposed  
in respect of fishing licences -  
23 June 1958

MF

Chile. 59-0696  
Treaties, etc. (1958)  
Mimeo  
Decreto n° 565: aprueba convenio entre  
el Ministerio de Agricultura y la  
Universidad Catolica de Valparaiso para  
los fines que indica (Decree no. 565  
approving an agreement between Ministry  
of Agriculture and the Catholic  
University of Valparaiso for the  
purposes stated) - 30 May 1958

Arranges for research on fisheries  
probloms.

:mlr

MF

Chile. Laws, 59-0697  
Statutes, etc. (1958)  
Diar.of., Chile, (24061):1273  
Decreto n° 633. Prohibe, on forma  
indefinida y absoluta, la pesca,  
extracción de mariscos y algas en la  
zona que indica (Decree no. 633  
prohibiting, unconditionally and for  
an indefinite period, the taking of  
fish, crustaceans and algae in the area  
stated) - 19 June 1958

M

Italy. Laws, 59-0700  
Statutes, etc. (1958)  
Gazz.uff., (Spec.Suppl.), (146):20  
Act no. 57 specifying provisions on  
behalf of establishments engaged on  
small-scale fisheries - 21 October 1957

MF

Chile. Laws, 59-0698  
Statutes, etc. (1958)  
Mimeo  
Decreto n° 674: reglamenta el otor-  
gamiento de permisos para la  
instalación de estaciones balleneras  
terrestres (Decree no. 674  
regulating the grant of licences for  
installation of whaling stations on  
land) - 30 June 1958

M

Union of South Africa. Laws, 59-0701  
Statutes, etc. (1958)  
Off.Gaz.S.W.A., (2142):313  
Govt. notice no. 84. Prohibiting the  
catching or disturbing of snook before  
the first day of December in any year -  
1 May 1958

M

Franco. Laws, 59-0699  
Statutes, etc. (1958)  
J.off.Républ.franc., (93):3814  
Décret n° 58-434 portant règlement  
d'administration publique pour l'appli-  
cation des articles 402 et 500 du code  
rural (Decree no. 58-434 embodying  
a Govt. regulation for the application  
of arts. 402 and 500 of rural code) -  
11 April 1958

The articles in question refer to  
fishing gear.

:mlr

MF

Union of South Africa. Laws, 59-0702  
Statutes, etc. (1958)  
Off.Gaz.S.W.A., (2145):387  
Govt. notice no. 103. Amendment of  
regulations, scaling and fisheries  
ordinance, 1949 - 16 May 1958

Minor amendments in measures of nets  
made from synthetic or artificial  
fibres.

:mlr

M



U.S. Laws, 59-0703  
Statutes, etc. (1958)  
Fed.Regist., U.S., 23(103):3596  
CFR 50 - Chapt. I - Subchapt. F: Alaska  
commercial fisheries - Part 104: Bristol  
Bay area - Curtailment of fishery -  
23 May 1958



MF

Canada. Laws, 59-0706  
Statutes, etc. (1958)  
St.6-7 Eliz.II, 1957-1958, Ch.35:101  
Loi concernant la garantie des  
emprunts des pêcheurs (An act  
respecting the guarantee of fishermen's  
loans) - 21 February 1958

In sec. 13, level of fund fixed at  
\$35,000.

:mlr

MF

U.S. Laws, 59-0704  
Statutes, etc. (1958)  
Fed.Regist., U.S., 23(117):4334  
CFR 50 - Chapt. I - Subchapt. F: Alaska  
commercial fisheries - Miscellaneous  
amendments to subchapter - 12 June 1958

Closed waters, size of mesh, depth  
of nets, etc.

:mlr

MF

U.K. Laws, 59-0707  
Statutes, etc. (1958)  
Statut.Instr., (1212)  
The white fish subsidy (U.K.) scheme,  
1958 - 3 July 1958

This scheme revokes the white fish  
subsidy (U.K.) scheme, 1957, & applies  
to the period beginning 1st August  
1958 & ending 31 July 1959. It  
introduces a new method for determining  
the number of days at sea in any  
voyage eligible for a grant.

:mlr

M

Italy. Laws, 59-0705  
Statutes, etc. (1958)  
Gazz.uff., (Spec.Suppl.), (416):4  
Act no. 45 relative to the establish-  
ment of a regional fisheries and marine  
activities board - 29 July 1958

M

Parrish, B.B., J.H.S. Blaxter 59-0708  
& F.G.T. Holliday (1958)  
Mar.Res., (5):11 p.  
Herring (Clupea harengus L.) in  
aquaria. I. Establishment

An account of trials & methods under  
the main headings: Capture; Transport  
to the aquarium; Initial establishment  
in the aquarium; & Maintenance &  
feeding after establishment.

SJH:sjh

M

Blaxter, J.H.S. & 59-0709  
F.G.T. Holliday (1958)  
Mar. Res., (6):22 p.  
Herring (Clupea harengus L.) in  
aquaria. II. Feeding

Experiments, following experience described in 59-0708, on effect of characteristics of food - size, shape, texture, colour, taste - on food selection; of noise, light, temperature tagging on feeding behaviour; rate of passage of food through the gut.

SJH:sjh

M

Pollak, M.J. (1958) 59-0712  
Deep-Sea Res., 5:128-33  
Frequency distribution of potential temperatures and salinities in the Indian Ocean

A correlation table of potential temperatures & salinities for the entire volume of the Indian Ocean is presented.

FAO:mjp

M

Rochford, D. (1958) 59-0710  
Deep-Sea Res., 5:89-110  
Total phosphorus as a means of identifying east Australian water masses

Examination of the degree of conservatism of total phosphorus in relation to water mass composition & distribution of total phosphorus & dissolved oxygen in east Australian waters.

FAO:tl

M

Montgomery, R.B. (1958) 59-0713  
Deep-Sea Res., 5:134-48  
Water characteristics of Atlantic Ocean and of world ocean

The volume of Atlantic Ocean water in each bivariante class with potential-temperature range of 0-5 C & salinity range of 0-1 per mille has been estimated from 105 uniformly distributed hydrographic stations, & combined with Pacific & Indian Ocean data to form diagrams for the world ocean.

FAO:rbm

M

Cochrane, J.D. (1958) 59-0711  
Deep-Sea Res., 5:111-27  
The frequency distribution of water characteristics in the Pacific Ocean

Study of bivariante distribution of water characteristics in the Pacific Ocean using 155 hydro-stations. Univariante distributions of characteristics are presented & means & certain percentiles are tabulated.

FAO:tl

M

Bogorov, B.G. (1958) 59-0714  
Deep-Sea Res., 5:149-61  
Biogeographical regions of the plankton of the North-Western Pacific Ocean and their influence on the deep sea

Characterization of various biogeographical regions by spp. composition & standing crops of plankton & vertical distribution of plankton in various regions.

FAO:tl

M

Ritchie, G.S. (1958) 59-0715  
Deep-Sea Res., 5:162-8

Sounding profiles between Fiji,  
Christmas and Tahiti Islands

3 sounding profiles in the South West  
Pacific are described & an attempt  
made to classify the different types  
of terrain recorded by echo sounder.

FAO:gsr

M

59-0717  
(Card 2)

physics, chemistry, primary  
production, phyto- & zoo-plankton, &  
meteorology. For details see items  
59-0719 to 59-0736.

FiB:glk

M

Creager, J.S. (1958) 59-0716  
Deep-Sea Res., 5:169-72

A canyon-like feature in the Bay of  
Campeche

A previously unknown canyon bordering  
the Campeche Bay is described &  
delineated from new soundings  
obtained during a survey of the  
southern Gulf of Mexico conducted in  
February, 1957.

FAO:jsc

M

Hamon, B.V. (1958) 59-0719  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
1-7

National reports. Physics. Fr

Summary of evidence on water transport  
off Sydney, the surface currents at the  
northern & eastern boundaries of the  
Tasman & Coral seas & in the region of  
the east Australian current, & on mean  
sea level.

FiB:glk

M

Australia. Division of 59-0717  
Fisheries & Oceanography (1958)  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
94 p.

Australian documents prepared for the  
UNESCO Conference on the oceanography  
of the Tasman and Coral seas held at  
Cronulla, August 9-14, 1958

Documentation presented by Australia  
at the UNESCO Conference on the  
oceanography of the Tasman & Coral  
seas, reporting on past work,  
programmes in progress & contemplated,  
& facilities available for research in

Rochford, D.J. (1958) 59-0720  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
8-16

National reports. Chemistry. Fr

Review of Australian work in marine  
chemistry, describing the distribution  
& types of stations, hydrological  
properties of these waters, &  
summarising results of research on  
water masses & circulation, total  
phosphorus, coastal hydrology, &  
surface chlorinity-temperature.

FiB:glk

M



Jitts, H.R. (1958) 59-0721  
Rep.Div.Fish.Oceanogr., C.S.I.R.O., (18):  
17-23

National reports. Primary production. Fr

Summary account of Australian work in measurement of nutrients, phytoplankton, light penetration, chlorophyll & CO<sub>2</sub> uptake by the <sup>14</sup>C method.

FiB:glk

M

Deacon, L.L. (1958) 59-0724  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
38-49

National reports. Meteorology. Fr

List of atlases, charts, text-books, & bibliographies of maritime meteorology of the Australian region; account of Australian ship & island observations, & of Australian meteorological studies of the Tasman & Coral seas.

FiB:glk

M

Wood, L.J.F. (1958) 59-0722  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
24-30

National reports. Phytoplankton. Fr

Summary account of Australian work in the use of phytoplankton as indicators of water movement, on the taxonomy & ecology of phytoplankton of the east Australian region, & on the culture of phytoplankton.

FiB:glk

M

Hamon, B.V. (1958) 59-0725  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
50-7

Programmes in progress and contemplated. Physics. Fr

Account of Australian research programmes, in progress & contemplated, on circulation, measurement of transport, energy sources, mean sea level, light penetration & deep circulation.

FiB:glk

M

Willings, L.M. (1958) 59-0723  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
31-5

National reports. Zooplankton. Fr

Summary account of Australian work on zooplankton communities, on the role of zooplankton as food for fish, & on the use of zooplankton organisms as indicators of water masses.

FiB:glk

M

Rochford, D.J. (1958) 59-0726  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
58-63

Programmes in progress and contemplated. Chemistry. Fr

Account of Australian research programmes, in progress & contemplated, in marine chemistry, giving vessels programmes planned, & aspects of eastern Australian hydrology proposed to study.

FiB:glk

M

Jitts, H.R. (1958) 59-0727  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
64-7  
Programmes in progress and contemplated.  
Primary production. Fr

Account of the Australian research  
planned in the study of primary  
production, referring to cruises to be  
made, stations to be occupied, methods  
to be used.

FiB:glk

M

Deacon, M.L. (1958) 59-0730  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
73-5  
Programmes in progress and contemplated.  
Meteorology. Fr

Description of the routine meteoro-  
logical observations, synoptic  
investigations, & studies of ocean  
atmosphere transfer to be made by  
Australia.

FiB:glk

M

Wood, E.J.F. (1958) 59-0728  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
68-9  
Programmes in progress and contemplated.  
Phytoplankton. Fr

Statement of aspects on phytoplankton  
to be studied, & research methods to be  
used in Australian research.

FiB:glk

M

Hamon, B.V. (1958) 59-0731  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
76-80  
Facilities. Physics. Fr

Account of equipment available to  
Australian research workers for their  
studies in marine physics, incl.  
temperature-chlorinity-depth recorder,  
portable temperature-chlorinity bridge,  
G.E.K., airborne radiation  
thermometer.

FiB:glk

M

Willings, L.M. (1958) 59-0729  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
70-1  
Programmes in progress and contemplated.  
Zooplankton. Fr

Description of the plan of zooplankton  
research to be made by Australia.

FiB:glk

M

Rochford, D.J. (1958) 59-0732  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
81-2  
Facilities. Chemistry. Fr

Brief description of the research  
vessel & launches of CSIRO available  
for Australian research in marine  
chemistry, & of the hydrological  
equipment available on these craft,  
with description of the shore  
facilities.

FiB:glk

M

Jitts, H.R. (1958) 59-0733  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
83-6

Facilities. Primary production. Fr

List of equipment available for  
Australian research in primary  
production.

FiB:glk

M

Deacon, E.L. (1958) 59-0736  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
93-4

Facilities. Meteorology. Fr

Brief account of facilities for ship-  
board & island meteorological  
observations in Australian waters.

FiB:glk

M

Wood, E.J.F. (1958) 59-0734  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
87-8

Facilities. Phytoplankton. Fr

Brief note on equipment available for  
Australian phytoplankton research.

FiB:glk

M

Legand, M. (1958) 59-0737  
Rapp.sci.Inst.franç.Océanie, (6):42 p.  
Etude sommaire des variations  
quantitatives diurnes du zooplancton  
autour de la Nouvelle Calédonie  
(Summary study of the diurnal  
quantitative variations of the zoo-  
plankton around the New Caledonia).  
En

Study of diurnal migrations of zoo-  
plankton in 0 to 400 meters in New-  
Caledonia-New Herbides area, as  
meteorological approach to inter-  
pretation of quantitative hauls taken  
at a given time of the day.

TL:tl

M

Willings, L.M. (1958) 59-0735  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (18):  
89-91

Facilities. Zooplankton. Fr

Brief account of equipment available  
for Australian zooplankton research &  
of methods to be used.

FiBLglk

M

Gosline, W.A. (1958) 59-0738  
Pacif.Sci., 12:221-8  
Central Pacific cels of the genus  
Uropterygius, with descriptions of two  
new species

Key to & description of the sp.

FAO:glk

MF



Doty, M.S. & 59-0739  
M.R. Wainwright (1958)  
Pacif.Sci., 12:229-35  
Structure and reproduction of Cottoniella hawaiiensis n.sp. (Rhodophyta)

Study of the tetrasporic form of the sp. as basis to systematic assignment.

FAO:glk

M

Yamashita, D.T. & 59-0742  
K.D. Waldron (1958)  
Calif.Fish Game, 44:311-7  
An all-plastic dart-type fish tag

Describes the POFI D-2 tag, tagging procedure & effect of its use on fish, especially Katsuwonus pelamis.

WAD:wad

MF

Martin, W.D. (1958) 59-0740  
Pacif.Sci., 12:251-4  
Hawaiian helminths 1. Trigonocryptus conus n.gen., n.sp. (Tromatoda: Fellodistomidae)

Diagnosis of the genus & the sp., infesting Tetraodon hispidus L.

FAO:glk

M

Roimors, N. (1958) 59-0743  
Calif.Fish Game, 44:319-33  
Conditions of existence, growth, and longevity of brook trout in a small, high-altitude lake of the eastern Siorra Nevada

Describes a study 1951-57 made at a 2<sup>1</sup>/<sub>2</sub>-acre cirque lake at elevation 10,900 ft.; its limnology, the effect of trout introduction on plankton & benthos, & studies on the food, growth, sexual development & population size of Salvelinus fontinalis.

WAD:wad

F

McFarland, W.N. & 59-0741  
K.S. Norris (1958)  
Calif.Fish Game, 44:291-310  
The control of pH by buffers in fish transport

Describes the practical & theoretical aspects of the subject with special reference to the use of "tris-buffer", tris-hydroxymethyl-aminomethane.

WAD:wad

MF

Phillips, J.B. (1958) 59-0744  
Calif.Fish Game, 44:349-50  
Southern occurrences of three northern species of fish during 1957; a warm-water year on the California coast

Describes the second known record of Hippoglossus stenolepis south of Monterey Bay; & the extensions of the range of Rhamphocottus richardsoni south to Santa Monica Bay, & of Gadus macrocephalus.

WAD:wad

M

Wales, J.H. (1958) 59-0745  
Calif. Fish Game, 44:350-2  
Intestinal flukes as a possible cause  
of mortality in wild trout

Describes observations on Crepidostomum  
found in Salmo gairdneri & Salvelinus  
fontinalis from northern Californian  
lakes.

WAD:wad

MF

Sato, R. (1950) 59-0748  
Proc. Indo-Pacif. Fish. Coun., 6, sec.2-3:  
179-81

On the feeding habits of the young  
larvae of freshwater and marine fishes

Experiments in which stomach contents  
were observed & growth measured in the  
larvae of pond smelt Hypomesus olidus  
Pallas, & stomach contents observed in  
larvae of the saury, Cololabis saira  
collected in the field.

GLK:glk

MF

Pyburn, W.F. (1958) 59-0746  
Tex. J. Sci., 10:325-42  
Size and movements of a local  
population of cricket frogs (Acris  
crepitans)

Incl. notes on seasonal activity &  
breeding behaviour & sex ratio.

FAO:efa

F

Menon, M.D. & 59-0749  
P.I. Chacko (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec.2-3:  
182-6  
Food and feeding habits of freshwater  
fishes of Madras State, India

Tabulation of percentage composition  
of volume of groups food items found  
in the stomachs of 59 spp. which are  
classified according to principal  
groups consumed.

GLK:glk

F

Springer, V.G. & 59-0747  
H.D. Hoese (1958)  
Tex. J. Sci., 10:343-8  
Records of Hoplosternis tenuis Ginsburg,  
Ablennes hians Valenciennes, Syngnathus  
pelagicus Linnaeus, Thunnus thynnus  
Linnaeus, Istiophorus americanus Cuvier,  
Tetrapterus belone (?) Rafinesque,  
Alectis crinitus Mitchell, Pomacentrus  
leucostictus Müller & Troschel, Hali-  
choeres bivittatus Bloch, Sparisoma  
radians Valenciennes, Pomacanthus paru  
Bloch, Holocanthus isabelita Jordan &  
Rutter & Lophiomus sp.

FAO:efa

M

Vaas, K.F. & 59-0750  
M. Sachlan (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec.2-3:  
187-96  
Cultivation of common carp in running  
water in West Java

Description of culture in Bandung  
city & other parts of Java with  
chemical analysis of water, account  
of micro-organisms in the water, gut-  
contents, morphometry & growth of the  
carp.

GLK:glk

F

Pongsuwana, U. (1958) 59-0751  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
197-201

Production of Tilapia mossambica in an experimental pond at Bangkhen, Thailand

Biological & economic analysis of 2 experiments giving yield in numbers & weight, costs & returns.

GLK:glk

F

Pillay, T.V.R. (1958) 59-0754  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
211-9

The biology and fisheries of the Hilsa, Hilsa ilisha (Hamilton) - A review

Distribution & habitat; racial composition of stocks; length-weight relationship & condition; food & feeding; fecundity; maturation & spawning; sexual dimorphism & sex ratio; age & growth; migrations; enemies & parasites; hardiness & culturability; fishing methods; fluctuations in fisheries & size composition of catches.

GLK:glk

MF

Djaingsastro, S. (1958) 59-0752  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
202-9

Experimentation in the brackishwater ponds at Polagan (Madura, East Java)

Description of ponds & methods & detailed tabulation of stocking & survival of fry & fingerlings.

GLK:glk

MF

Nakamura, H., Y. Yabuta 59-0755  
& K. Mimura (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
220-38

Longline tuna fishing grounds in the Indian Ocean

Principal spp. & their distribution; seasonal variation in fishing conditions; sp. & size composition of catches with tables, charts & diagrams showing variations of catch with month & location.

GLK:glk

M

Tjiptoaminoto, R.M. (1958) 59-0753  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
209-10

Some notes on adult Chanos

List of situations at which author believes that Chanos spawns, & notes on density & behaviour of its schools.

GLK:glk

MF

Maeda, H. (1958) 59-0756  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
239-46

Shoaling tendency in tuna observed in the Great Sunda archipelago

Examination of relations between horizontal & vertical distributions of Neuthunnus & food supply & feeding habits, & of the relation between the rate of exploitation & the shoal forming tendency.

GLK:glk

M



Motoda, S. (1958) 59-0757  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
247-9

Plankton associations around Japan

Taxonomic composition of plankton  
communities of various currents near  
Japan.

GLK:glk

M

Uda, M. (1958) 59-0760  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
258-9

Correlation of hydrographic and  
meteorological features with the  
fluctuations in certain fisheries in  
the waters off Japan

Discussion of the relation between  
variations in the richness & location  
of various fisheries & variations in  
the strength & location of the Kurosiwo  
& Oyasiwo currents, water temperatures  
& general climatic conditions.

GLK:glk

M

Nakai, Z. (1958) 59-0758  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
250-4

Fluctuations in the distribution of  
sardine due to oceanographic  
conditions in the Far East

Cases of phenomenal mortality & the  
causes thereof; effects of distribution  
& migration; depletion of stock.

GLK:glk

M

WMO, (1958) 59-0761  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
259-61

The role of the World Meteorological  
Organization in providing weather  
information for fishermen

Contents as per title.

GLK:glk

MF

Margetts, A.R. (1958) 59-0759  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
255-7

Fisheries research methods of gathering  
evidence of basic changes in marine  
faunal distributions

Discussion of the kinds of evidence to  
be drawn from study of commercial  
fisheries, & from research & other  
ships on regular stations & lines.

GLK:glk

M

Kyaw, U.Ba (1958) 59-0762  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
261-4

Trawling results of TAIYO MARU no. 11

Tabulation of operations & sp.  
composition of catch.

GLK:glk

M

Kawada, S. (1958) 59-0763  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
265-7  
Current status of fish finders in Japan

Notes on the use of the fish-finder in various fisheries & a table of the behaviour of schools at main parts of a set net.

GLK:glk

M

Takayama, S. (1958) 59-0766  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
276-7  
Fishing with light in Japan

Notes on research on phototaxis, account of equipment & methods & fisheries in which used; discussion of possible adverse effects on spawning, & as cause of excessive fishing intensity.

GLK:glk

M

Nakai, Z. (1958) 59-0764  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
273-4  
Do fishing light affect the fish population?

Attempt to show relation between luminosity of fishing lamps, which as average light power has increased in recent years, & fluctuations in the stocks of Cololabis saira & Sardinops melanosticta.

GLK:glk

M

Kawamoto, N.Y. (1958) 59-0767  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
278-80  
Experiments with the fish gathering lamp

Experiments in laboratory & open sea in analysis of phototactic phenomena in terms of fish-gathering rates in relation to range of wave-lengths, spectral luminosity, & natural, moon & solar, light.

GLK:glk

M

Rasalan, S.B. & 59-0765  
B. Datingaling (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
275  
Observations on fishing with light in the Philippines

Abstr. only. Account of equipment & methods.

GLK:glk

M

Ahjar, M. & 59-0768  
R. Tasripin (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
303-6  
The significance of fish culture as an integral part of rural economy in Indonesia

Areas under cultivation, operational costs, & lawings.

GLK:glk

MF

Ahjar, M. (1958) 59-0769  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
306-7

The inland fisheries extension services  
in Indonesia

Duties of the extension officer,  
educational techniques employed, &  
results obtained.

GLK:glk

F

Ahjar, M. (1958) 59-0772  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
321-2

The relative importance of subsistence  
fishing in Indonesia

Areas in which subsistence fishing  
takes place, levels of catch.

GLK:glk

MF

Yamamoto, T. (1958) 59-0770  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
313-6

Progress of fisheries statistics in  
Japan

Account of the systems of collection of  
statistics on production, primary &  
secondary; industrial structure,  
finance & prices.

GLK:glk

MF

Anonymous (1958) 59-0773  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
323-4

Report on the prawn symposium

Resumé of discussion & statement of  
recommendations.

GLK:glk

MF

Oka, N. (1958) 59-0771  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
317-20

Some basic problems in the development  
of fisheries statistics in Japan

Discussion of objectives & methods, &  
brief account of history of statistical  
collection.

GLK:glk

MF

de Zylva, H.R.A. (1958) 59-0774  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
324-7

The prawn fisheries of Ceylon

Description of littoral fishing methods  
& report, with tabulation, of ocean  
prawn fishing.

GLK:glk

MF



Panikkar, N.K. & 59-0775  
M.K. Menon (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
328-44  
Prawn fisheries of India

Fishing grounds & methods, & spp.  
caught; processing & marketing of  
catch; summary of biology - spawning &  
maturation, early life history, growth  
& longevity, food & habitat, physiology,  
taxonomy -, future prospects of these  
fisheries.

GLK:glk

MF

Qureshi, M.R. (1958). 59-0778  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
359-62  
Shrimp fisheries of Pakistan

Fishing grounds, methods, gear & boats.  
Technology; taxonomy.

GLK:glk

MF

Menon, M.K. (1958) 59-0776  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
345-6  
Identification of marine and inshore  
prawn of commercial value in India  
  
Keys to families, genera & spp.

GLK:glk

MF

Domantay, J.S. (1958) 59-0779  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
362-6  
Prawn fisheries of the Philippines  
  
Spp.; fishing methods, gear & grounds;  
catch by areas. Processing.

GLK:glk

MF

Racek, A.A. (1958) 59-0777  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
347-59  
Penaeid prawn fisheries of Australia  
with special reference to New South  
Wales

Development of the fisheries; fishing  
grounds, methods, gear & vessels;  
catch & its variations: management;  
technology. Biology: spp. & working key  
thereto; distribution, habitats,  
migrations; sex ratio, reproduction &  
spawning grounds. Research.

GLK:glk

MF

Djajadiredja, R.R. & 59-0780  
M. Sachlan (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
366-77  
Shrimp and prawn fisheries in Indonesia  
with special reference to the Kroya  
district

Classification of shrimp & prawn  
fisheries into marine, brackish &  
freshwater; distribution; gear  
described in detail & ill.; statistics  
of production from brackish water ponds,  
catch, imports & exports.

GLK:glk

MF

Yasuda, J. (1958) 59-0781  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
378-86

Shrimps of the Seto inland sea of Japan

Fishing grounds, catch composition; longevity & migration, growth & appearance of the shrimps.

GLK:glk

MF

Kunju, M.M. (1958) 59-0784  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
404-18

Preliminary studies on the biology of the palaemonid prawn, Leander styliferus Milne-Edwards in West Bengal, India

Distribution & habitat, food & feeding habits, length-weight relation, fecundity, breeding time, sex ratio, parasitization, length composition, the fishery.

GLK:glk

MF

Kubo, I. (1958) 59-0782  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
387-98

A review of the biology and systematics of shrimps and prawns of Japan

Growth, spawning season & average life spawn, migrations, food & habitat preferences, diurnal activity.

GLK:glk

MF

Gopinath, K. (1958) 59-0785  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
419-24

Prawn culture in the rice fields of Travancore-Cochin, India

Location, extent, characteristics & preparation of the fields; fishing operations, spp. & yield.

GLK:glk

MF

Anderson, W.W. (1958) 59-0783  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
399-403

Observations upon the biology, ecology and life history of the common shrimp, Penaeus setiferus (Linnaeus), along the South Atlantic and Gulf coasts of the United States

Habitat, spawning, larval development, growth, migrations, longevity, temperature & salinity relations.

GLK:glk

MF

Delmendo, M.N. & 59-0786  
H.R. Rabanal (1958)  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
424-31

Cultivation of "sugpo" (jumbo tiger shrimp), Penaeus monodon Fabricius, in the Philippines

Collection & growth of the fry; methods & raising & cropping; layout, construction & management of a project.

GLK:glk

MF

Bullis, H.R., Jr. (1958) 59-0787  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
431-3

Shrimp exploration and gear research in  
the Gulf of Mexico

Account of development of the industry  
& its gear, & discussion of prospects.

GLK:glk

M

Hall, D.W.F. (1958) 59-0790  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
450

The validity of the generic names of  
penaeid prawns

Status of Penaeus Fabricius 1798,  
Sicyonia H. Milne-Edwards 1830, Para-  
peneopsis Wood Mason, M.S., Alcock 1901,  
& Xiphopeneus Smith 1886.

GLK:glk

MF

Thomson, J.M. (1958) 59-0788  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
444-7

Fluctuations in Australian prawn catch

Pertinent biological factors, catch  
statistics; correlation of prawn catch  
& rainfall for lake Illawarra.

GLK:glk

MF

FAO (1958) 59-0791  
FAO Fish. Pap., (10):10 p.  
Fishery programs in relation to  
agricultural and economic planning

Notes on relationship between fisheries  
& other economic activities & of the  
type of problems which arise in  
planning & execution of fishery  
development programmes.

SJH:efa

MF

Kyaw, U. Ba (1958) 59-0789  
Proc. Indo-Pacif. Fish. Coun., 6, sec. 2-3:  
448-9

Floating shrimp traps in the deltaic  
area of Burma

Description of the gear; labour, grounds,  
season, method of operation, catch.

GLK:glk

MF

FAO (1958) 59-0792  
FAO Fish. Pap., (11):8 p.  
Role of government in fisheries  
development

Reviews & discussions on nature &  
extent of current fishery development  
programmes with recommendations of the  
conference to governments.

SJH:efa

MF



McNeely, R.L. (1958) 59-0793  
Comm.Fish.Rev., 20(9):1-10  
A practical depth telemeter for midwater  
trawls

Ill. detailed description of this  
electrical equipment, & tests at sea.

FAO:sjh

M

Wilbour, F.C., Jr. (1958) 59-0796  
Comm.Fish.Rev., 20(9):26  
Improved handling of fish aboard  
Massachusetts fishing vessels

FAO:

M

Anonymous (1958) 59-0794  
Comm.Fish.Rev., 20(9):15-24  
1957: the year of warm water and southern  
fish off California coast

Preliminary report on oceanographic  
conditions & the pelagic fisheries of  
California during 1957 prepared for the  
Marine Research Committee by the  
agencies participating in the California  
Cooperative Oceanic Fisheries  
Investigation, CCOFI. Special reference  
to sardines, dolphin-fish, barracuda,  
yellowtail, bonito, skipjack, gamefishes,  
bait-fishes; plankton.

FAO:sjh

M

Anonymous (1958) 59-0797  
Comm.Fish.Rev., 20(9):27-8  
California - Spawning sardines  
surveyed off coast of California  
(M/V N.B.SCOFIELD)

FAO:

M

Wilbour, F.C., Jr. (1958) 59-0795  
Comm.Fish.Rev., 20(9):25-6  
Enzymes in fish tissue under study

As a part of a collaborative research  
project of the Dep. of Food Technology  
of the University of California & the  
U.S. Bureau of Commercial Fisheries'  
Fishery Technological Laboratory at  
Seattle, Wash., a study is being made of  
the oxidative enzymes of fish. Carp were  
used as the test fish.

FAO:fcw

F

Anonymous (1958) 59-0798  
Comm.Fish.Rev., 20(9):28-30  
California - Spawning sardines surveyed  
in southern California waters by M/V  
ALASKA: cruise 58-A-1, April 12-30, 1958

FAO:

M

Anonymous (1958) 59-0799  
Comm.Fish.Rev., 20(9):30-1  
California - Albacore tuna occurrence and  
migration pattern studied (M/V ALASKA  
cruise 58A3 - Albacore)

FAO: M

Anonymous (1958) 59-0802  
Comm.Fish.Rev., 20(9):33-4  
California - Census of sea lion  
populations off coast of California

FAO: M

Anonymous (1958) 59-0800  
Comm.Fish.Rev., 20(9):31-2  
California - Aerial census of commercial  
and sport fishing operations continued

FAO: II

Anonymous (1958) 59-0803  
Comm.Fish.Rev., 20(9):36-7  
Florida - Fisheries research

Shrimp studies; scallop & clam studies;  
Florida Bay studies; spotted sea trout  
studies; synthetic crab baits; quality  
control of fish.

FAO: M

Anonymous (1958) 59-0801  
Comm.Fish.Rev., 20(9):32-3  
California - Pelagic fish distribution  
and abundance off southern California  
observed by aerial scouting

FAO: M

Anonymous (1958) 59-0804  
Comm.Fish.Rev., 20(9):37-8  
Groundfish - Broad analysis of New  
England groundfish industry problems  
planned

FAO: M

Anonymous (1958) 59-0805  
Comm.Fish.Rev., 20(9):38-40  
Great lakes fishery investigations -  
Lake Superior biological research  
program, 1958

Fishery-limnological surveys; lake trout  
studies; lake herring studies; whitefish  
studies; other spp.; environmental  
studies.

FAO:

F

Anonymous (1958) 59-0808  
Comm.Fish.Rev., 20(9):41-3  
Gulf exploratory fishery program -  
Gulf of Mexico explored for hard clams  
and scallops (M/V SILVER BAY cruise 10)

FAO:

M

Anonymous (1958) 59-0806  
Comm.Fish.Rev., 20(9):40-1  
Great Lakes fishery investigations -  
Western lake Superior herring and  
general fishery survey (M/V SISCOWET)

FAO:

F

Anonymous (1958) 59-0809  
Comm.Fish.Rev., 20(9):44-5  
Maryland - Commercial fishery landings  
at Ocean City, 1957

FAO:

M

Anonymous (1958) 59-0807  
Comm.Fish.Rev., 20(9):41  
Great Lakes fishery investigations -  
Survey of western lake Erie fish  
populations continued (M/V CISCO cruise 6)

FAO:

F

Anonymous (1958) 59-0810  
Comm.Fish.Rev., 20(9):45  
National Fisheries Institute -  
Conservation policy resolution adopted  
at 13th annual convention

FAO:

MF



Anonymous (1958) 59-0811  
Comm.Fish.Rev., 20(9):45-6  
North Atlantic fisheries exploration and  
gear research - Hard-shell and surf clam  
exploration by M/V SUNAPEL

Contents as per title.

FAO: M

Anonymous (1958) 59-0814  
Comm.Fish.Rev., 20(9):48  
North Atlantic fisheries investigations -  
Scallops tagged and length-frequency  
samples collected (M/V ALBATROSS III  
cruise 113)

Contents as per title.

FAO: M

Anonymous (1958) 59-0812  
Comm.Fish.Rev., 20(9):46  
North Atlantic fisheries exploration and  
gear research - Hard-shell and surf clam  
explorations continued (M/V SUNAPEL)

Contents as per title

FAO: M

Anonymous (1958) 59-0815  
Comm.Fish.Rev., 20(9):49  
North Atlantic fisheries  
investigations - Whiting tagged and  
length frequency samples collected  
(M/V ALBATROSS III cruise 114)

Contents as per title.

FAO: M

Anonymous (1958) 59-0813  
Comm.Fish.Rev., 20(9):47-8  
North Atlantic fisheries exploration and  
gear research - Tuna fishing explorations  
continued in western North Atlantic  
(M/V DELAWARE cruises 58-3 & 58-4)

Contents as per title.

FAO: M

Anonymous (1958) 59-0816  
Comm.Fish.Rev., 20(9):49-50  
North Atlantic fisheries  
investigations - Haddock fishery future  
to be assessed by M/V ALBATROSS III

Contents as per title.

FAO: M

Anonymous (1958) 59-0817  
Comm.Fish.Rev., 20(9):50-1 .  
North Atlantic fisheries investigations -  
Haddock samples collected for ecological  
studies (M/V SILVER MINK)

Contents as per title.

FAO: M

Anonymous (1958) 59-0820  
Comm.Fish.Rev., 20(9):52  
North Pacific exploratory fishery  
program - Shrimp and scallop survey  
started in Alaska (M/V JOHN N. COBB  
cruise 39)

Contents as per title.

FAO: M

Anonymous (1958) 59-0818  
Comm.Fish.Rev., 20(9):51  
North Atlantic fisheries investigations -  
Haddock ecology studies continued (M/V  
SHIRLEY & ROLAND)

Contents as per title.

FAO: M

Anonymous (1958) 59-0821  
Comm.Fish.Rev., 20(9):52-4  
Oysters - Use of plastics for  
collecting oyster set

Contents as per title.

FAO: M

Anonymous (1958) 59-0819  
Comm.Fish.Rev., 20(9):51-2  
North Atlantic fisheries investigations -  
Life history studies of industrial fish  
and scallops (M/V JACQUELYN cruise  
July 18)

Contents as per title.

FAO: M

Anonymous (1958) 59-0822  
Comm.Fish.Rev., 20(9):54  
Oysters - Spring froshets killed  
Virginia's James river seed

FAO: MF

Anonymous (1958) 59-0823  
Comm.Fish.Rev., 20(9):54-5  
Oysters - Industry problems subject of  
remarks at Oyster Institute of North  
America Meeting

FAO:

MF

Anonymous (1958) 59-0826  
Comm.Fish.Rev., 20(9):61-2  
Pacific oceanic fishery investigations -  
Underwater photographic equipment  
tested and tuna feeding behaviour  
studied (M/V CHARLES H. GILBERT cruise  
39)

Skipjack feeding behaviour; sea scanar  
observations; test of the Floy dart  
tag; Oahu environmental monitoring  
survey; IGY stations; Lanai environ-  
mental survey; general observations.

FAO:cfr

M

Anonymous (1958) 59-0824  
Comm.Fish.Rev., 20(9):56-61  
Pacific oceanic fishery investigations -  
Annual report for fiscal year 1958

Equatorial tuna program; mid-ocean  
skipjack program. Hawaiian oceanography  
in relation to the fishery; local  
environmental studies; studies of  
movements of fish by tagging; response  
of tuna to fishing gear; variations in  
the response of skipjack to chum; larval  
tuna projects; tuna serology & paper  
chromatography; quantitative tuna forage  
sampling project; artificial cultivation  
of tuna bait fish; distribution, biology

Anonymous (1958) 59-0827  
Comm.Fish.Rev., 20(9):62-3  
Pacific oceanic fishery investigations -  
Observations to delineate northern  
boundary of down-stream California  
current type water near Hawaiian  
Islands (M/V CHARLES H. GILBERT  
cruise 40)

Contents as per title.

FAO:

M

59-0824  
(Card 2)  
tagging; eastern North Pacific  
temperature charts.

FAO:cfr

M

Anonymous (1958) 59-0828  
Comm.Fish.Rev., 20(9):63-4  
Red tide - Federal and state biologists  
seek means of control

FAO:

M



Anonymous (1958) 59-0829  
Comm.Fish.Rev., 20(9):64-5  
Salmon - Alaska's Afognak fishway brings  
large red salmon run to once barren  
watershed

FAO:

MF

Anonymous (1958) 59-0832  
Comm.Fish.Rev., 20(9):79-80  
Canada - Herring research in North  
Pacific

Note on exploratory fishing for Clupea  
pallasii by Canadian vessel  
to determine the offshore limits &  
ocean distribution of herring spawned  
in British Columbia coastal waters & to  
study & appraise the mixture of their  
stock.

FAO:cfr

M

Anonymous (1958) 59-0830  
Comm.Fish.Rev., 20(9):65  
Saltonstall-Kennedy act fisheries  
projects - Allocation of funds for  
commercial fisheries programs

Contents as per title.

FAO:

MF

Anonymous (1958) 59-0833  
Comm.Fish.Rev., 20(9):83  
Cuba - Open and closed seasons on some  
marine species announced

Contents as per title.

FAO:

M

Anonymous (1958) 59-0831  
Comm.Fish.Rev., 20(9):77  
Sealing - Norwegian-U.S.S.R. North  
Atlantic agreement ratified

FAO:

M

Anonymous (1958) 59-0834  
Comm.Fish.Rev., 20(9):83-4  
Cuba - Seasons on bull frogs, snappers,  
and crabs revised

FAO:

MF

Anonymous (1958) 59-0835  
Comm.Fish.Rev., 20(9):84-5  
Denmark - Pond trout industry

FAO: F

Anonymous (1958) 59-0838  
Comm.Fish.Rev., 20(9):87-8  
Israel - Recent developments in the  
fisheries

FAO: M

Anonymous (1958) 59-0836  
Comm.Fish.Rev., 20(9):84  
Denmark - Faroes' proposal for 12-mile  
fishing limits supported

FAO: M

Anonymous (1958) 59-0839  
Comm.Fish.Rev., 20(9):88  
Mexico - Cooperation of U.S. shrimp  
vessels fishing off coast requested  
  
Contents as per title.

FAO: M

Anonymous (1958) 59-0837  
Comm.Fish.Rev., 20(9):87  
India - offshore experimental fishing  
plan initiated  
  
Contents as per title.

FAO: M

Anonymous (1958) 59-0840  
Comm.Fish.Rev., 20(9):89  
Netherlands - Antarctic whaling to be  
continued

FAO: M

Anonymous (1958) 59-0841  
Comm.Fish.Rev., 20(9):89-90  
New Hebrides - Tuna fishing industry trends

FAO: M

Anonymous (1958) 59-0844  
Comm.Fish.Rev., 20(9):98  
Surinam - Shrimp fishery trends, May 1958

FAO: M

Anonymous (1958) 59-0842  
Comm.Fish.Rev., 20(9):92  
Norway - Shrimp fishery

FAO: M

Anonymous (1958) 59-0845  
Comm.Fish.Rev., 20(9):99  
Tunisia - Underwater lights for sardine fishing fleet planned

Contents as per title.

FAO: M

Anonymous (1958) 59-0843  
Comm.Fish.Rev., 20(9):94-6  
Portugal - Development plan for fisheries proposed

Sardine, tuna, cod-fishing industries; trawl fishing; shellfish; whaling industry; local fishing.

FAO:cfr M

Anonymous (1958) 59-0846  
Comm.Fish.Rev., 20(9):99  
Union of South Africa - Pilchard-maasbanker industry, January-March 1958

Contents as per title.

FAO: M



Anonymous (1958) 59-0847  
Comm.Fish.Rev., 20(9):100-1  
United Kingdom - Progress in underwater  
research

Contents as per title.

FAO: M

Anonymous (1958) 59-0850  
Comm.Fish.Rev., 20(10):13-4  
Alaska - Southeastern lake systems  
rehabilitated for use in salmon  
rearing

Contents as per title.

FAO: MF

Mann, H.J. (1958) 59-0848  
Comm.Fish.Rev., 20(10):1-8  
A new method of handling long-line gear  
using a rotating tub

Ill. account of construction & use of  
tuna fishery equipment developed &  
tested by USFWS/POFI.

FAO:sjh M

Anonymous (1958) 59-0851  
Comm.Fish.Rev., 20(10):14  
California - Pelagic fish distribution  
and abundance off southern California  
surveyed

Contents as per title.

FAO: M

Anonymous (1958) 59-0849  
Comm.Fish.Rev., 20(10):13  
Alaska - Silvers return home to  
Ketchikan hatchery

FAO: MF

Anonymous (1958) 59-0852  
Comm.Fish.Rev., 20(10):14-8  
California - Aerial scouting continued  
to study pelagic fish populations and  
census of commercial and sport fishing

Contents as per title.

FAO: M

Anonymous (1958) 59-0853  
Comm.Fish.Rev., 20(10):18-9  
California - Dungeness-crab  
distribution, abundance, and size  
studies continued (M/V N.B. SCOTFIELD  
cruise 58-S-3-crab)

Contents as per title.

FAO:

M

Anonymous (1958) 59-0856  
Comm.Fish.Rev., 20(10):20  
California - Tag returns show increase  
in striped bass fishing  
Contents as per title.

FAO:

M

Anonymous (1958) 59-0854  
Comm.Fish.Rev., 20(10):19  
California - Yellowfin tuna and  
skipjack tagged along Baja California  
coast (M/V INDEPENDENCE cruise 58-C-1-  
tuna)

Contents as per title.

FAO:

M

Anonymous (1958) 59-0857  
Comm.Fish.Rev., 20(10):22  
Great Lakes - More Michigan streams to  
be chemically treated to destroy sea  
lamprey larvae

Contents as per title.

FAO:

MF

Anonymous (1958) 59-0855  
Comm.Fish.Rev., 20(10):19-20  
California - New type fish screen  
proves successful

Contents as per title.

FAO:

MF

Anonymous (1958) 59-0858  
Comm.Fish.Rev., 20(10):22-3  
Great Lakes fishery investigations -  
Survey of western lake Erie fish  
populations continued by M/V CISCO

Contents as per title.

FAO:

F

Anonymous (1958) 59-0859  
Comm.Fish.Rev., 20(10):24-5  
Great Lakes fishery investigations -  
Western lake Superior herring and  
general fishery survey continued by  
M/V SISCOWET

Contents as per title.

FAO: F

Anonymous (1958) 59-0862  
Comm.Fish.Rev., 20(10):31-2  
North Atlantic fisheries investigations  
Vertical distribution of post-larval  
ocean perch in Gulf of Maine studied  
(M/V ALBATROSS III cruise 116)

Contents as per title.

FAO: M

Anonymous (1958) 59-0860  
Comm.Fish.Rev., 20(10):27-8  
Louisiana - Shrimp regulations revised  
effective July 1, 1958

FAO: M

Anonymous (1958) 59-0863  
Comm.Fish.Rev., 20(10):32-4  
North Pacific exploratory fishery  
program - Exploratory fishing for  
shrimp off Alaskan coast (M/V JOHN N.  
COBB cruise 39)

Contents as per title.

FAO: M

Anonymous (1958) 59-0861  
Comm.Fish.Rev., 20(10):30-1  
North Atlantic fisheries and gear  
research - Safety program and gear  
research studies (M/V DELAWARE cruise  
58-4)

Contents as per title.

FAO: M

Anonymous (1958) 59-0864  
Comm.Fish.Rev., 20(10):34-5  
Pacific oceanic fishery investigations -  
Albacore tuna survey in central North  
Pacific completed (M/V HUGH M. SMITH  
cruise 46)

Contents as per title.

FAO: M



Anonymous (1958) 59-0865  
Comm.Fish.Rev., 20(10):37  
Swordfish - Evidence that broadbill may  
be wide-ranging

FAO: II

Anonymous (1958) 59-0868  
Comm.Fish.Rev., 20(10):40-1  
Washington - Salmon fish farming shows  
promise

FAO: MF

Anonymous (1958) 59-0866  
Comm.Fish.Rev., 20(10):37  
Tuna - Tag returns reveal migration of  
albacore in Pacific

FAO: M

Anonymous (1958) 59-0869  
Comm.Fish.Rev., 20(10):43-4  
International Pacific Halibut  
Commission - Area 3A closed August 31

FAO: M

Anonymous (1958) 59-0867  
Comm.Fish.Rev., 20(10):39-40  
Virginia - Crab kills caused by lack  
of oxygen  
  
Contents as per title.

FAO: M

Anonymous (1958) 59-0870  
Comm.Fish.Rev., 20(10):44  
Territorial waters - Resolution of  
Western European fishery conference  
condemns Icelandic unilateral  
extension of fishing limits  
  
Contents as per title.

FAO: M

Anonymous (1958) 59-0871  
Comm.Fish.Rev., 20(10):45  
Whaling - Agreement reached on number  
of catcher boats for 1958-59 Antarctic  
season

Contents as per title.

FAO: M

Anonymous (1958) 59-0874  
Comm.Fish.Rev., 20(10):49  
British Guiana - Exploratory shrimp  
fishing off British Guiana and  
Surinam

Contents as per title.

FAO: M

Anonymous (1958) 59-0872  
Comm.Fish.Rev., 20(10):45-7  
Whaling - Tenth annual meeting of  
International Whaling Commission

FAO: M

Anonymous (1958) 59-0975  
Comm.Fish.Rev., 20(10):49-50  
Colombia - Basic fishing regulations  
implemented

FAO: M

Anonymous (1958) 59-0873  
Comm.Fish.Rev., 20(10):48  
Angola - Plans for reorganization of  
fishing industry

Contents as per title.

FAO: M

Anonymous (1958) 59-0876  
Comm.Fish.Rev., 20(10):50  
Cuba - Closed seasons on lane snapper,  
muttonfish, and sponges terminated

Contents as per title.

FAO: M

Anonymous (1958) 59-0877  
Comm.Fish.Rev., 20(10):51  
Honduras - New fishing regulations  
issued

FAO: M

Anonymous (1958) 59-0880  
Comm.Fish.Rev., 20(10):65  
Kenya - Japanese tuna fishing off  
East Africa

Contents as per title.

FAO: M

Anonymous (1958) 59-0878  
Comm.Fish.Rev., 20(10):53  
Israel - Expansion of fisheries planned

FAO: M

Anonymous (1958) 59-0881  
Comm.Fish.Rev., 20(10):66-7  
Netherlands - Electric cable for  
tickler chain used by trawler owners

Contents as per title.

FAO: M

Anonymous (1958) 59-0879  
Comm.Fish.Rev., 20(10):53-5  
Japan - Analysis of fishing industry

Contents as per title.

FAO: M

Anonymous (1958) 59-0882  
Comm.Fish.Rev., 20(10):67-8  
Nicaragua - Shrimp fishery being  
developed

FAO: M



Anonymous (1958) 59-0883  
Comm.Fish.Rev., 20(10):71-2  
Uganda - Fishery developments  
reported by FAO expert

FAO:

M

Anonymous (1959) 59-0886  
World Fish., 8(1):37-8  
SARDINOPS for S.A. sardine research -  
One of three new ships for a big  
programme

Ill. description of this new 120 ft  
steel research vessel to be operated  
by the government of the Union of South  
Africa.

FAO:sjh

M

Anonymous (1958) 59-0884  
Comm.Fish.Rev., 20(10):72-3  
Union of South Africa - Pilchard-  
maasbanker industry, January-April 1958

Contents as per title.

FAO:

M

King-Webster, W.A. (1959) 59-0887  
World Fish., 8(1):40-2  
An improved design for small trawl  
doors

Ill. description of other boards  
designed for use by 22 b.h.p. launch of  
the Trinidad Fisheries Department.

FAO:sjh

M

Anonymous (1958) 59-0885  
Comm.Fish.Rev., 20(10):74-5  
United Kingdom - Lobster pot developed  
with folding steel frame

Contents as per title.

FAO:

II

Anonymous (1959) 59-0888  
World Fish., 8(1):42, 45  
A plan for the cornish pilchard  
industry

Larger multi-purpose craft, capable of  
year-round fishing for other markets  
besides pilchards, are recommended in  
this plan, which has been drafted by  
the White Fish Authority for  
consideration by the industry.

FAO:wff

M

Haines, G. (1959) 59-0889  
World Fish., 8(1):44-5  
Asdic fishing developing rapidly -  
New herring shoals discovered off North  
Norwegian coast

Ill. of echo-traces of Clupea harengus  
obtained with Kelvin Hughes "Fisherman's  
Asdic" off Norway.

FAO:sjh

II

Nielson, R.S. (1958) 59-0892  
Progr.Fish-Cult., 20:150  
Hauling and handling of hatchery trout

A brief note on experiments designed  
to test early post-planting mortality  
in rainbow trout as affected by the  
weight of trout carried, length of  
haul & hauling time, handling & use of  
sodium amytal & chlorobutanol.

WAD:wad

F

Anonymous (1959) 59-0890  
World Fish., 8(1):46-8  
A new research trawler for Canada -  
A.T. CAMERON for east coast service

Ill. description of new 177 ft vessel  
& equipment operated by Fisheries  
Research Board of Canada.

FAO:sjh

M

Deelder, C.L. (1958) 59-0893  
Progr.Fish-Cult., 20:151-4  
Modern fish passes in the Netherlands

Discusses the use of Denil & pool-type  
passes on the river Meuse, the  
replacement of one by a hydraulic fish  
lock, & the relative advantages.

WAD:wad

MF

Clemens, H.P. & 59-0891  
K.E. Sneed (1958)  
Progr.Fish-Cult., 20:147-50  
Effect of temperature and physiological  
condition on tolerance of channel  
catfish to pyridylmercuric acetate  
(PMA)

Describes methods & results of  
experiments with a chemical used in the  
control of disease in Ictalurus  
lacustris.

WAD:wad

F

Iyatomi, K. & al. (1958) 59-0894  
Progr.Fish-Cult., 20:155-62  
Toxicity of endrin to fish

Describes laboratory & field  
experiments with this insecticide - in  
emulsion, dust & granule form - using  
Cyprinus carpio, Carassius auratus &  
Moina macrocopa.

WAD:wad

F

Allen, G.H. (1958) 59-0895  
Progr.Fish-Cult., 20:163-9  
Notes on the fecundity of silver salmon  
(Oncorhynchus kisutch)

Reviews the previous information on the subject, & describes a new study made at the University of Washington on: the relationships between numbers of eggs & size of fish, & between size of egg, size of fish & numbers of eggs; changes in fecundity with progression of run.

WAD:wad

MF

Fontenele, O. (1958) 59-0898  
Progr.Fish.Cult., 20:174  
Incubators used in Brazil

A brief description, with photo, of incubators used for adhesive & non-adhesive fish eggs.

WAD:wad

F

Lindroth, A. (1958) 59-0896  
Progr.Fish-Cult., 20:169  
A simple food-consistency tester

Describes a modification of the fall-cone technique used to measure the consistency of food used in rearing Atlantic salmon.

WAD:wad

MF

Wilkinson, G.N., Jr. (1958) 59-0899  
Progr.Fish-Cult., 20:175-9  
Transporting small live trout in sealed polyethylene bottles

Describes methods used in Colorado with special reference to transportation by means of pack horses; makes comparisons with old methods using 10-gallon cons.

WAD:wad

MF

Brezner, J. (1958) 59-0897  
Progr.Fish-Cult., 20:170-4  
Food habits of the northern river Carpsucker in Missouri

Describes a study of the gut contents of 100 Carpiodes carpio carpio from Missouri using a compound microscope.

WAD:wad

F

Gibor, A. (1958) 59-0900  
Progr.Fish-Cult., 20:180-2  
A simple technique used for laboratory hatching and rearing of fish

Describes a method for hatching salmonid eggs in small volumes of non-flowing water together with green plants & using continuous illumination.

WAD:wad

MF



<p>Maxwell, J.M. (1958) 59-0901  <u>Progr.Fish-Cult.</u>, 20:182  Advance in use of pelleted trout food</p> <p>A note on the increase in their use in their effects on brown trout at one laboratory.</p> <p>WAD:wad F</p>	<p>Anonymous (1958) 59-0904  <u>Progr.Fish-Cult.</u>, 20:188  Stripping procedures in an Australian fish hatchery</p> <p>A brief note describing the use of a hypodermic needle, bicycle pump &amp; mouth suction to remove eggs &amp; semen from trout.</p> <p>WAD:wad MF</p>
<p>Johnson, H.E. &amp; 59-0902  J.M. Shelton (1958)  <u>Progr.Fish-Cult.</u>, 20:183-5  Marking chinook salmon fry</p> <p>Describes experiments &amp; methods used in fin-marking unfed <u>Oncorhynchus tshawytscha</u> fry incl. use of magnifiers, small cuticle clippers, &amp; M.S.222.</p> <p>WAD:wad MF</p>	<p>Fukano, K.G. &amp; 59-0905  F.F. Hooper (1958)  <u>Progr.Fish-Cult.</u>, 20:189-90  Toxaphene (chlorinated camphene) as a selective fish poison</p> <p>Describes experiments on lakes in Michigan indicating that low dosages would eradicate small fish &amp; not injure large ones (<u>centrarchids</u> &amp; <u>Perca</u>).</p> <p>WAD:wad F</p>
<p>Hanson, H. (1958) 59-0903  <u>Progr.Fish-Cult.</u>, 20:186-8  Operation fish rescue</p> <p>Describes the program &amp; methods used in Minnesota to remove <u>Esox lucius</u> from lakes subject to winter-kill using pumps - to attract fish -, traps &amp; nets.</p> <p>WAD:wad F</p>	<p>Uzmann, J.R. &amp; 59-0906  M.N. Hessolholt (1958)  <u>Progr.Fish-Cult.</u>, 20:191-2  Teratological hermaphroditism in the chum salmon, <u>Oncorhynchus keta</u> (Walbaum)</p> <p>Describes the condition in a sexually mature upstream-migrant from the Chitose river, Hokkaido, Japan.</p> <p>WAD:wad MF</p>

Higgins, E. (1958) 59-0907  
Progr.Fish-Cult., 20:192-3  
Living resources of the sea  
A review of 582527.

WAD:wad

MF

Morović, D. (1958) 59-0910  
Morsk.Ribarst., 10:237-40  
Ispitivanje rasta kamonica u Mljetskim  
jezerima (Investigations into the  
growth of oysters in the Mljot lakes)

Experiments with oysters in a  
fertilized sea-pools in the lake  
Mljot & data on growth of oysters  
over 4 years.

FAO:tl

MF

Anonymous (1958) 59-0908  
Outd.Calif., 19(11):4-5, 15  
Fish trap on the Trinity

Describes a temporary installation on  
the Trinity river, California, to trap  
upstream migrant Pacific salmon,  
Oncorhynchus, & steelhead trout, Salmo  
gairdneri, anesthetize them, & convey  
them above the construction site of  
a now impassable dam.

WAD:wad

MF

Basioli, J. (1958) 59-0911  
Morsk.Ribarst., 10:241-3  
Ribarstvo boko Kotorske (The  
fisheries of the Bay of Kotor (Boka  
Kotorska))

General survey of the past & present  
fishery in the area.

FAO:tl

M

Marčić, D. (1958) 59-0909  
Morsk.Ribarst., 10:225-8  
Priprema za izradu novog zakona o  
morskom ribarstvu (Preparation for  
the elaboration of a new law on the  
fisheries)

Explanations of the principles of the  
proposed draft of a new fisheries law  
in Yugoslavia.

FAO:tl

MF

Holt, S.J. (1958) 59-0912  
FAO, Romo, 5 p.

Estimating the parameters of an  
exponentially declining population

Note developed from a method  
described by Spicer, J.Hygiene, 54:  
304-10, 1956, his table being repeated  
& extended.

Fis:sjh

G

Axelrod, H.R. & W. Vorderwinkler (1957)  
T.F.H. Publ., Inc., Jersey City, N.J., 731p  
Encyclopedia of tropical fishes

59-0913

A popularly written account of the methods used to keep tropical fishes in aquaria, with most of the book devoted to the procedures used in breeding them. Profusely ill. in black & white & color. (2nd ed.)

FAO:wad

F

Barnes, H. (1958)  
Oikos, 9:139-57  
Regarding the southern limits of Balanus balanoides (L.)

59-0916

Presentation of available evidence on distribution limits as indicated by literature & recent investigations. Limits approximate to 46°N in AB, 38°N in AW & 47°N in IB.

FAO:efa

M

Korea. Ministry of Agriculture & Forestry (1958)  
22 p.  
Report of the agricultural progress for 1955-1957, Korea

59-0914

Incl. chapter on fisheries, with sub-heads: Nutrition and promotion of living standards; The five year production increase plan of oyster replacing laver cultivation; Cultivation of shallow water and tidal areas; Culture of fresh water fish.

FiB:sjh

MF

Smayda, T.J. (1958)  
Oikos, 9:158-91  
Biogeographical studies of marine phytoplankton

59-0917

Summarizes the important concepts of phytoplankton biogeography as revealed in part by representative arctic, antarctic, tropical & cosmopolitan spp. with accompanying temp.-salinity conditions. Incl. full bibliographic list.

FAO:efa

M

Kawamoto, N.Y., T. Kondo & T. Nishii (1958)  
Jap.J.Ecol., 8(1):1-6  
On the salt adaptation of medaka, Oryzias latipes (T. & S.) with reference to the influences of thyroid hormone and anti-thyroid agents

59-0915

Experimental examination of the relation between osmo-regulatory control, thyroid hormone, & salinity preference or tolerance.

SJH:glk

MF

Menzies, R.J. & J. Imbrie (1958)  
Oikos, 9:192-210  
On the antiquity of the deep sea bottom fauna

59-0918

Assembly of paleontologic & bathymetric data for comparison of age compositions of representative invertebrate groups from one depth zone to another.

FAO:efa

M



<p>Rasmussen, S. (1958) 59-0919  <u>Oikos</u>, 9:211-20  On the response of <u>Hylotrupes</u> larvae to doses of cholesterol and other sterols</p> <p>Account of analysis of growth response of <u>Hylotrupes bajulus</u> larvae to different cholesterol doses in order to determine optimal &amp; minimal effective doses of the compound.</p> <p>FAO:efa F</p>	<p>Thompson, T. Everett (1958) 59-0922  <u>Oikos</u>, 9:246-52  The influence of temperature on spawning in <u>Adalaria proxima</u> (A. &amp; H.) (Gastropoda Nudibranchia)</p> <p>Description of temperature effect on spawning of individuals from a natural population of sp. in Menai straits.</p> <p>FAO:efa M</p>
<p>Hagelin, L.-O. &amp; N. Steffner (1958) 59-0920  <u>Oikos</u>, 9:221-38  Notes on the spawning habits of the river lamprey (<u>Petromyzon fluviatilis</u>)</p> <p>Reports detailed observations on spawning habits of this sp. in aquarium.</p> <p>FAO:efa F</p>	<p>Round, F.E. (1957) 59-0923  <u>Oikos</u>, 8:16-37  The distribution of Bacillariophyceae on some littoral sediments of the English lake district</p> <p>The diatom flora of some littoral sediments of the English lake district lakes has been determined. The distribution of the spp. has been related to a subdivision of the lakes into 2 groups based on a study of the chemistry of the littoral sediments. The flora has been discussed briefly in relation to similar studies elsewhere in Europe.</p> <p>FAO:fer F</p>
<p>Buscemi, P.A. (1958) 59-0921  <u>Oikos</u>, 9:239-45  Littoral oxygen depletion produced by a cover of <u>Elodea canadensis</u></p> <p>Demonstration of pronounced oxygen depletion caused by summer growth of sp. in Parvin lake, Colorado.</p> <p>FAO:efa F</p>	<p>Winslow, A. (Ed.) (1958) 59-0924  <u>International Conciliation</u>, (519):192 p.  Issues before the thirteenth General Assembly</p> <p>Incl. comment on results of the U.N. Conference on the law of the sea held in Geneva, 1958.</p> <p>FiBasjh M</p>

Tavolga, W.N. (1958) 59-0925  
Physiol.Zool., 31:259-71  
 The significance of underwater sounds produced by males of the gobiid fish, Bathygobius soporator

Description of the conditions under which the sounds are detected & of the sounds; mechanism of sound production; experiments in the playback of recorded sounds to individual fish & to groups thereof.

FAO:glk

M

Dudziak, J. (1958) 59-0928  
Polsk.Arch.Hydrobiol., 5(1):7-18  
 Zagadnienie zaniku wyplawka alpejskiego (Crenobia alpina Dana) w "Zr6dłach Zygmunta" w Złotym Potoku (On the disappearance of Crenobia alpina Dana in the "Zygmunt Springs" in Zloty Potok). In Ru

Discussion of ecological basis to the change.

FAO:tl

F

Costlow, J.D., Jr. & 59-0926  
 C.G. Bookhout (1958)  
Physiol.Zool., 31:271-80  
 Molting and respiration in Balanus amphitrite var. denticulata Broch

Studies have been made on the relationship between molting & rate of oxygen consumption of whole barnacles maintained in the laboratory & in the harbor over periods of from 7 to 31 consecutive molts.

FAO:jdc

M

Domurat, J. (1958) 59-0929  
Polsk.Arch.Hydrobiol., 5(1):19-23  
 Rozw6j embrionalny szczupaka (Esox lucius L.) w oleju parafinowym (Embryonic development of pike in paraffine oil). Fr Ru

Degree of development & survival.

FAO:glk

F

Hubbs, C. & 59-0927  
 L. Stavenhagen (1958)  
Physiol.Zool., 31:280-3  
 Effects of maternal carotenoid deficiency on the viability of darter (Osteichthyes) offspring

Measurement of survival of offspring of fish fed diets varying in carotenoids & vitamin A.

FAO:glk

F

Szczepański, A. (1958) 59-0930  
Polsk.Arch.Hydrobiol., 5(1):25-43  
 Das Streuungsverm6gen des Naturalwassers der Masurischen Seenplatte (The scattering power of natural water of the Masurian lake plateau)

Measurement of turbidity in relation to thermocline, & water stratification.

FAO:glk

F

Kosicka, A. (1958) 59-0931  
Polsk.Arch.Hydrobiol., 5(1):45-53  
 Rozprzestrzenianie się trzciny Phragmites communis Trin. na jeziorze Skonal  
 (Variations of the Phragmites communis zone in the Skonal lake). En Ru

Measurement of area of the zone at various times & places.

FAO:glk

F

Klimowicz, H. (1958) 59-0934  
Polsk.Arch.Hydrobiol., 5(1):93-123  
 Mięczaki Zalewu Wiślanego i zależność ich rozmieszczenia od zasolenia  
 (The molluscs of the Vistula Lagoon & the dependence of their distribution on water salinity). En Ru

List of spp. & their distribution.

FAO:tl

MF

Paschalski, J. (1958) 59-0932  
Polsk.Arch.Hydrobiol., 5(1) 55-64  
 Żywność się płoci (Rutilus rutilus L.) oraz świnki (Chondrostoma nasus L.) w rożnowskim zbiorniku zaporowym (The food of Rutilus rutilus L. & Chondrostoma nasus L. in the Rożnow dam water reservoir). En Ru

Analysis of stomach content of fishes in the reservoir & comparison of these with those of other lake fishes.

FAO:tl

F

Szczopańska, W. (1958) 59-0935  
Polsk.Arch.Hydrobiol., 5(1):143-59  
 Chruściki Pojezierza Mazurskiego (Trichoptera larvae of the Masovian Lake Plateau). Ru Do

List of spp. & notes.

FAO:glk

F

Borck, Z. (1958) 59-0933  
Polsk.Arch.Hydrobiol., 5(1):65-91  
 Zawartość lipidów i innych składników ciała u karasia w czasie zimowania (Carassius carassius L.) oraz głodu doświadczalnego (The contents of lipids & other components in the crucian's, Carassius carassius L., body during hibernation & experimental starvation). En Ru

Distribution of lipids in various tissues & organs & changes consequent on starvation at various temperatures.

FAO:glk

F

Anonymous (1957) 59-0936  
Fish.News, Bangkok, 10:109-18  
 (Fisheries survey in Ping river). Th

SJH:

F



Suwanrat, K. (1957) 59-0937  
Fish.News, Bangkok, 10:119-24  
(Social security in fisheries). Th  
Ln

Describes general benefits for sickness, old age, invalidation etc., which however, do not cover fishermen & farmers, & cites social security measures for fishermen prevailing in other countries.

SJH:tjj

MF

Thiommedh, J. (1957) 59-0940  
Fish.News, Bangkok, 10:145-52  
(The aquarium). Th

Refers to Helostoma tomminki, Trichogaster trichopterus, Dermogonys pusillus, Anobas testudinous, Rasbora rasbora & Betta splendens.

SJH:tjj

F

Bunnag, C. (1957) 59-0938  
Fish.News, Bangkok, 10:125-31  
(Fisheries in Changwat Chantburi). Th

SJH:

MF

Somboonwong, B. (1957) 59-0941  
Fish.News, Bangkok, 10:153-4  
(The use of "Tao-chi-kow" for eradication of fish enemy in fish pound). Th

SJH:

F

Varikul, V. (1957) 59-0939  
Fish.News, Bangkok, 10:139-44  
(An experiment on oxygenation for transportation of fish fry). Th

SJH:

F

Charorn, V.S. (1957) 59-0942  
Fish.News, Bangkok, 10:155-68  
(Discoloration of water in the Gulf of Thailand). Th

Deals with Noctiluca scintillans & Trichodesmium erythraeum.

SJH:tjj

M

Amatayakul, C. (1957) 59-0943  
Fish.News, Bangkok, 10:169-89  
(The goldfish). Th Ln

Popular, ill. article on history of  
rearing & introduction into Thailand,  
chief varieties & uses.

Yorsangrat, W. (1958) 59-0946  
Fish.News, Bangkok, 11:173-7.  
(Fisheries development in Thailand).  
Th

SJH:tjj

F

SJH:

MF

Thailand. Department of 59-0944  
Fisheries. Statistics Section (1957)  
Fish.News, Bangkok, 10:191-4  
(Fisheries statistics). Th Ln

Landings of fresh water fish, & average  
auction prices of different sea fish at  
Bangkok wholesale market during January-  
March 1957, fresh fish auctioned there  
in 1957 & salted products handled in  
wholesale markets during that year.

Charernphon, S. (1958) 59-0947  
Fish.News, Bangkok, 11:179-202  
(Collection of some specimens in the  
Gulf of Thailand). Th

SJH:tjj

MF

SJH:

M

Anonymous (1958) 59-0945  
Fish.News, Bangkok, 11:159-66  
(Some observations on fisheries).  
Th

Suvarnanondha, S. (1958) 59-0948  
Fish.News, Bangkok, 11:203-11  
(The fishermen's cooperative  
associations in South Australia).  
Th

SJH:

MF

SJH:

MF

Thiornmedh, S. (1958) 59-0949  
Fish.Nows, Bangkok, 11:213-23  
(Fisheries problems in the Indo-Pacific  
region). Th

SJH:

K

Thailand. Department of 59-0952  
Fisheries. Statistics Section (1958)  
Fish.Nows, Bangkok, 11:277-80  
(Fisheries statistics). Th En

Statistics of freshwater & sea fishes  
& whole salted fishery products landed  
at the Bangkok wholesale market in  
Oct.-Dec. 1957, with average prices of  
auctioned sea fish.

SJH:ofa

MF

Suwanrat, K. (1958) 59-0950  
Fish.Nows, Bangkok, 11:225-35  
(Rules and regulations for Thai  
fishermen's loan). Th En

Notes on the fisheries improvement  
loans, initiated on experimental basis  
by the Department of Fisheries.

SJH:efa

MF

Connell, J.J. & 59-0953  
P.F. Howgate (1959)  
Biochem.J., 71(1):83-6  
Studies on the proteins of fish  
skeletal muscle. 6. Amino acid  
composition of cod fibrillar proteins

The amino acid composition of cod  
myosin, cod actin & cod 'natural'  
actomyosin were determined & the  
resemblance of the first 2 to  
corresponding rabbit proteins was  
examined.

FAO:glk

M

Amatayakul, C. (1958) 59-0951  
Fish.Nows, Bangkok, 11:249-75  
(Foods and feeding). Th En

A brief review of fish food &  
techniques of feeding.

SJH:cfa

MF

D'Ancona, U. & 59-0954  
R. Cusmai (1958)  
Tech.Pap.G.F.C.M., 5(1):13 p.  
Les fond chalutables exploités par  
les pêcheurs italiens (Ground  
fished by Italian trawlers). En

The trawling grounds situated off the  
Italian coast are enumerated, & the  
possibilities of exploitation are  
discussed. Tables are included  
showing main landing places, spp.  
fished, number & tonnage of the  
fishing boats & the quantities landed.  
SJH:ud M



Sommani, E. (1958) 59-0955  
Tech.Pap.G.F.C.M., 5(2):6 p.  
 Perspectives pour améliorer la pêche  
 de la sardine et considérations sur les  
 recherches à l'égard des populations  
 ichtyques en Méditerranée (Prospects  
 for the improvement of sardine fishing,  
 & considerations on research with regard  
 to the fish populations in the  
 Mediterranean). En

Discussion of the applicability of  
 modern methods of population research to  
 the problems concerning Sardina  
pilchardus Walb. & account of the  
 research, chiefly racial studies,

Vivior, P. (1958) 59-0958  
Tech.Pap.G.F.C.M., 5(4):29 p.  
 Les lacs de barrage du bassin  
 méditerranéen (Barrage lakes of the  
 Mediterranean region). En

Physical, chemical & biological  
 conditions of barrage lakes in France,  
 Italy, Israel, Tunisia & Greece.  
 Measures taken & results obtained  
 concerning fisheries development in  
 these lakes.

SJH:pv

F

59-0955  
 (Card 2)  
 considered by the author to be  
 appropriate.

SJH:glk

M

Merlo, S. (1958) 59-0959  
Tech.Pap.G.F.C.M., 5(5):19 p.  
 La production de la pêche dans le lac  
 de Gardo (Fish production in the  
 lake of Garda). En

Study of the variations in the  
 quantities of fish caught in the lake  
 of Garda from 1887 to 1957, for the  
 total landed, & for each of the  
 principal spp.

SJH:sm

F

Sommani, E. (1958) 59-0957  
Tech.Pap.G.F.C.M., 5(3):8 p.  
 Principes à suivre en matière de  
 repouplement des cours d'eau de  
 montagne, à la suite des résultats  
 qu'ont fournis des recherches récentes  
 sur l'écologie de la truite arc-en-ciel  
 (Salmo gairdnerii Rich.) (Principles  
 to be followed with regard to the  
 restocking of mountain streams, as a  
 result of recent surveys of the ecology  
 of the rainbow trout, Salmo gairdnerii  
 Rich.). En

Description of waters in northern Italy  
 & proposal of principles which should  
 guide future stocking operations.  
 SJH:glk F

Charpy, R. (1958) 59-0960  
Tech.Pap.G.F.C.M., 5(6):7 p.  
 Mesures à prendre en vue d'augmenter  
 la consommation de la carpe en France  
 (Measures to be taken to increase carp  
 consumption in France). En

Proposal of cultural methods,  
 techniques of distribution &  
 processing, by which consumption of  
 carp might be increased in France.

SJH:glk

F

Bas, C. & 59-0961  
M. Rubio (1958)

Tech.Pap.G.F.C.M., 5(7):1 p.  
Fishing grounds off the Spanish  
Catalonian coast. Fr

The chart attached is the first  
description of the fishing grounds off  
the Spanish Catalonian coast, &  
indicates the main spp. fished.  
Important fishing grounds are situated  
in depths greater than 200 m, which  
have been exploited only recently.

SJH:cb

M

Mozzi, C. & 59-0964  
A. Duo (1958)

Tech.Pap.G.F.C.M., 5(10):15 p.  
Accroissement et âge des sardines de la  
haute Adriatique débarquées à Chioggia  
(Growth and age of sardines from the  
upper Adriatic landed at Chioggia).  
En

Sardines fished in the upper Adriatic  
have been studied from the point of  
view of age, sex ratio, gonad  
maturation, length & growth.

SJH:cm

M

Lozano Cabo, F. (1958) 59-0962  
Tech.Pap.G.F.C.M., 5(8):5 p.  
Application des échosondeurs à l'étude  
des migrations des thons (The use  
of echo-sounders in the study of the  
migrations of tuna). En

The routes followed by the tuna in  
their migrations through the straits  
of Gibraltar have been observed with  
the aid of echo-sounders. Information  
has also been gathered concerning the  
importance of these shoals & their  
speed.

SJH:flc

M

Maldura, C. (1958) 59-0965  
Tech.Pap.G.F.C.M., 5(11):11 p.  
Procédés généraux d'épuration des eaux  
résiduaire organiques (Processes  
of purification of waters containing  
organic wastes). En

Description of direct purification  
processes by dilution in water courses  
or spreading on land, as well as of  
chemical & biological processes, which  
permit damage to fishing to be reduced  
or avoided. Pollution problems caused  
by waste waters containing detergents  
are also considered.

SJH:cm

F

Lozano Cabo, F. (1958) 59-0963  
Tech.Pap.G.F.C.M., 5(9):6 p.  
Expériences de détection des thons à  
l'aide d'échosondeurs (Experiments  
in the detection of tuna with echo-  
sounders). En

Description of experiments in the  
detection of tuna with echo-sounders,  
which were carried out in the summer of  
1957, the results obtained by means of  
both vertical & horizontal soundings, &  
of the listening & recording methods.

SJH:flc

M

Matta, F. (1958) 59-0966  
Tech.Pap.G.F.C.M., 5(12):22 p.  
Données préliminaires sur la biométrie  
de certaines espèces de poisson dans  
l'archipel toscan (Preliminary notes  
on the biometry of some species of the  
Toscan Archipelago). En

Studies have been made on Gadus capo-  
lanus Risso, Micromesistius pontassou  
Risso, Pagellus erythrinus L., Boops  
boops L., Mullus barbatus L., Trachurus  
trachurus L., Spicara smaris L., & Arno-  
glossus laterna Walb., & some  
conclusions concerning fishing  
regulations in this region are suggested.  
SJH:fm

M

Farina, L. (1958) 59-0967  
Tech.Pap.G.F.C.M., 5(13):2 p.  
 Nouveau type de chalut (New type of  
 trawl). En

Describes the evolution of trawling  
 techniques in the Atlantic & in the  
 Mediterranean, & the type of trawl  
 perfected by the author in 1931.

SJH:lf

M

Mrman, F. (1958) 59-0970  
Tech.Pap.G.F.C.M., 5(16):24 p.  
 Observations on the biology of the  
 common grey mullet (Mugil cephalus L.).  
 Fr

The growth, spawning period, feeding &  
 some other related problems of the  
 biology of the common grey mullet of  
 the sea of Marmara & the Bosphorus, are  
 discussed.

SJH:fo

MF

Pruginin, J. (1958) 59-0968  
Tech.Pap.G.F.C.M., 5(14):8 p.  
 Equipment, constructions and  
 installations in fish culture. Fr

Discussion of technical installations  
 in fish culture in order to improve  
 working conditions, efficiency & results.  
 Data are given in respect of nets in  
 use, net drying installations, methods  
 of catching, storing tanks, ways of  
 transportation to the market, food  
 distribution, & technical devices for  
 weed & pest control.

SJH:jp

F

Demir, M. (1958) 59-0971  
Tech.Pap.G.F.C.M., 5(19):5 p.  
 Notes on the littoral Penaeidae BATE  
 (Crustacea, Decapoda) of the Turkish  
 waters. Fr

Seasonal migration, fishing season,  
 fishing gear utilized, & statistical  
 information on the importance of this  
 fishery in Turkish waters are  
 discussed.

SJH:md

MF

Sarig, S. & 59-0969  
 M. Lahav (1958)  
Tech.Pap.G.F.C.M., 5(15):8 p.  
 The treatment with lindane of carp and  
 fishponds infected with the fish-louse,  
 Argulus. Fr

Results of experiments to measure  
 effect of lindane - containing the  
 Gamma isomere of Hexa-Chloro-Cyclo-  
 Hexan - on carp & argulus, &  
 description of its commercial  
 application.

SJH:glk

F

Italy. Central Institute 59-0972  
 of Statistics (1958)  
Tech.Pap.G.F.C.M., 5(20):10 p.  
 Technique des relevés statistiques sur  
 la pêche maritime et lagunaire en  
 Italie (Technique of statistical  
 recordings concerning marine & lagoon  
 fisheries in Italy). En

The technique of statistical recordings  
 concerning marine & lagoon fisheries in  
 Italy is discussed. Fisheries statistics  
 in Italy have been recently improved.  
 The various types of recordings, as well  
 as the printed forms used are described.  
 SJH:icis MF



Massuti, O. (1958) 59-0973  
Tech.Pap.G.F.C.M., 5(21):8 p.  
Quelques renseignements sur la sardine  
d'Ibiza et de Formentera (Some  
information on the sardine of Ibiza and  
Formentera). En

Preliminary studies on the sardine  
stock of Ibiza & Formentera dealing  
with their size, sexual characteristics,  
vertebral number & age.

SJH:om

M

Bas, C. (1958) 59-0976  
Tech.Pap.G.F.C.M., 5(24):4 p.  
Some characteristics of the biological  
and dynamical properties of the fish  
species of the deep sea. Fr

Summary of the biology & dynamics of  
the fish populations inhabiting the  
deep sea with a preliminary division of  
the different types of fishing carried  
out.

SJH:cb

M

Meyer-Waarden, P.F. (1958) 59-0974  
Tech.Pap.G.F.C.M., 5(22):10 p.  
Relation between the tuna populations  
of the Atlantic, Mediterranean and  
North Seas. Fr

Discussion of catch statistics & of  
evidence - size composition,  
parasitisation - of origin, with plans  
for tagging.

SJH:glk

M

Lozano Cabo, F. (1958) 59-0977  
Tech.Pap.G.F.C.M., 5(26):5 p.  
Documentation graphique sur certains  
engins de pêche utilisés dans les  
lagunes littorales espagnoles  
(Graphic documentation on some fishing  
gear used in Spanish coastal lagoons).  
En

Short description of the main fishing  
gear used in Spanish coastal lagoons;  
49 figures are attached.

SJH:flc

MF

Aksiray, F. (1958) 59-0975  
Tech.Pap.G.F.C.M., 5(23):9 p.  
Propagation of trout in lake Abant by  
means of artificial insemination.  
Fr

Half a million of trout were stocked in  
lake Abant, for both the years, 1956  
& 1957. They were reared in battery  
type incubators using water having a  
low but even temperature & flowing at 1,  
240 l/sec.

SJH:fa

F

Charpy, R. (1958) 59-0978  
Tech.Pap.G.F.C.M., 5(27):10 p.  
Evaluation de la production des eaux  
intérieures françaises et de la  
consommation du poisson en provenance  
de ces eaux (Evaluation of the  
production of French inland waters and  
consumption of the fish caught in those  
waters). En

The total annual production of French  
inland waters is calculated on the  
basis of their surface - actual or  
evaluated -, & of their production rate  
per hectare according to Prof. Leger's  
formula. The possibilities for

59-0978  
(Card 2)

improving the production are indicated. The overall situation is summarized in a table. Data are given concerning the consumption of freshwater fish in France.

SJH:rc

F

Uyguner, B. &  
F. Gözenalp (1958)

59-0982

Tech.Pap.G.F.C.M., 5(30):4 p.  
Turkish coastal lagoons. Fr

This paper deals with the lagoons along the Turkish coasts, their geographical position & topography, the names of the fish caught in them, the yearly average landings, average fish productivity & fishery problems.

SJH:bu

F

Nikolic, M. (1958) 59-0980  
Tech.Pap.G.F.C.M., 5(28):5 p.  
Polyzoan colonies in fouling on floating vessels in the northern Adriatic (Rovinj). Fr

Studies have been carried on boats & on buoys. The various spp. of Polyzoa fauna are mentioned. The author stresses the importance of cleaning hulls twice yearly & the advantage of antifouling paint with a longer lasting effect.

SJH:mn

M

Oliver, M. (1958) 59-0983  
Tech.Pap.G.F.C.M., 5(31):3 p.  
Les pêches d'Aristeus et d'Aristeomorpha et la carte de pêche des Baléares (Fishing of Aristeus and Aristeomorpha and fishing chart of the Balearic islands). En

The Spanish Institute of Oceanography has undertaken to establish a fishing chart of the Balearic islands & East Spanish coast region. The exploited grounds which up to a recent period were from 150 - 400 m deep extend now to 800 m, where Aristeus & Aristeomorpha are found in large quantities.

SJH:mo

M

Acara, A. & 59-0981  
F. Gozenalp (1958)  
Tech.Pap.G.F.C.M., 5(29):5 p.  
Contribution on the northern lagoons of the sea of Marmara. Fr

This paper is a study of the hydrographical characteristics of Büyük Çekmece, Küçük Çekmece, Hersek & Tuzla lagoons which are of economic importance.

SJH:aa

F

De Angelis, R. (1958) 59-0984  
Tech.Pap.G.F.C.M., 5(34):14 p.  
Orientation nouvelle dans la technique des équipements des pêcheries en lagune saumâtre (Technological improvement of the fishing installations in saline lagoons). En

Describes the general structure of the installations for catching fish entering or leaving saline lagoons, & the various improvements tested or introduced during the last 30 years. The main improvement has been the replacement of vegetable fences by aluminium alloy fences, which is more costly but has many advantages.

SJH:rd

MF

Gottlieb, E. & S. Lipstadt (1958) 59-0985  
Tech.Pap.G.F.C.M., 5(35):9 p.  
Statistical and economic survey of the Israel trawl fishery in 1957  
(Rentability of three types of vessels).  
Fr

Israeli trawlers have been classified in 3 categories according to h.p. For each group the (1) catch per effort; (2) total expenses & (3) value of the catch per day of fishing, have been calculated. The trawlers of the 150 - 160 h.p. & 240 h.p. categories have a

59-0985  
(Card 2)  
better rentability than those of the 110 - 120 h.p. category.

SJH:eg

M

Zupanovic, Z. (1958) 59-0988  
Tech.Pap.G.F.C.M., 5(38):11 p.  
Influence de l'intensité d'exploitation sur la composition du stock de poissons (Influence of fishing intensity on fish stocks). En

Analysis of the influence of fishing intensity on fish stocks. Since the 2nd world war the effects on Merluccius morluccius, Gadus capolanus, Raja clavata, & also on teleosteans & salacians, have been studied in the fishing grounds of Blitvenica in the Adriatic.

SJH:zz

M

Zupanovic, S., H. Gamulin- 59-0989  
Breda & S. Alfirovic (1958)  
Tech.Pap.G.F.C.M., 5(39):7 p.  
Contribution à la connaissance de la faune benthique dans la zone insulaire de l'Adriatique moyenne  
(Contribution to the knowledge of the benthic fauna in the insular zone of the central Adriatic). En

Description of methods & tabulation of catches taken.

SJH:glk

M

Oren, O.H., A. Ben-Tuvia 59-0987  
& E. Gottlieb (1958)  
Tech.Pap.G.F.C.M., 5(36):14 p.  
Experimental tuna fishing cruise in the eastern Mediterranean. Fr

In the autumn of 1952, the authors undertook an experimental fishing trip in the eastern Mediterranean. They report on their findings concerning the biology & distribution of tunas.

SJH:oho

M

Karlovac, O. (1958) 59-0990  
Tech.Pap.G.F.C.M., 5(40):4 p.  
Pénéidae et Pandalidae présentant un intérêt économique en Adriatique  
(Peneidae and Pandalidae of economic importance in the Adriatic). En

In the course of experimental trawling in deep waters of the South Adriatic, various spp. of adult crustaceans, up to now unknown in this region, were identified: Aristeomorpha foliacea Risso, Plesionika martia A.M.Edwards & Plesionika acanthonotus Smith.

SJH:ok

M



Artuz, I. (1958) 59-0991  
Tech.Pap.G.F.C.M., 5(41):6 p.  
 Fluctuations in the catches of some  
 pelagic fishes in the Marmara and Black  
 seas. Fr

The fluctuations of Sarda sarda &  
Scomber scomber have been studied for  
 the period 1928-1958. It seems that  
 there is a negative correlation between  
 the variations of these 2 spp. It  
 would be worth-while investigating the  
 causes of these fluctuations.

SJH:ia M

59-0993  
 (Card 2)  
 stomachs of hake having reached  
 the stage of sexual maturity.

SJH:ok M

Komarovsky, B. (1958) 59-0992  
Tech.Pap.G.F.C.M., 5(42):9 p.  
 A study of the food of Sardinella  
aurita V. off the Mediterranean coast  
 of Israel during a peak season (May-  
 June, 1958). Fr

Discussion of feeding habits in the  
 light of data from plankton catches &  
 stomach content analyses.

SJH:bk M

Muzinic, R. (1958) 59-0995  
Tech.Pap.G.F.C.M., 5(46):6 p.  
 On the rings on sardine scales. Fr

Analysis of the ring characteristics,  
 classification of the rings,  
 description of variability & account  
 of the difficulties of identification  
 of true annual rings.

SJH:glk M

Karlovac, O. (1958) 59-0993  
Tech.Pap.G.F.C.M., 5(45):8 p.  
 La nourriture du merlu (Merluccius  
merluccius L.) de la mer Adriatique  
 (What the hake, Merluccius merluccius  
 L. of the Adriatic sea feeds on). En

The stomach contents of hake fished in  
 the Adriatic sea were studied in 1948-  
 1949. The results obtained show that  
 crustaceans are very important in the  
 diet of small hake while, on the other  
 hand, larger sized hake live almost  
 exclusively on fish, in particular  
 sardines. Food was found also in the

Grubisic, F. (1958) 59-0996  
Tech.Pap.G.F.C.M., 5(47):4 p.  
 Changes in fishing methods and gear  
 on the eastern Adriatic coast. Fr

List of gears that have gone out of  
 use, & of changes made in gears still  
 in use, with discussion of the causes  
 & consequences of these changes.

SJH:glk M

Crnkovic, D. (1958) 59-0997  
Tech.Pap.G.F.C.M., 5(48):9 p.  
 Contribution to the study of  
 economically valuable benthonic species  
 of the channels of the north-eastern  
 Adriatic. Fr

Results of a one year study of fish &  
 other sea-food catches by trawlers at  
 10 stations located in the channel  
 region. Information on the spp. of  
 economic importance - weight &  
 numerical relations.

SJH:dc

M

Ben-Tuvia, A. (1958) 59-1000  
Tech.Pap.G.F.C.M., 5(53):9 p.  
 Some studies on Sardina pilchardus  
 from the coast of Israel. Fr

Sardina pilchardus is caught in small  
 quantities along the coast of Israel.  
 It appears that the spawning takes  
 place during the months of January,  
 February & March, as indicated by the  
 state of gonads & the distribution of  
 young fish. The overall average for the  
 vertebrae is 50.93 being the lowest  
 observed in the Mediterranean sea.  
 Length measurements furnish information  
 on growth rate of the zero group fish.  
 SJH:ab M

Morovic, D. (1958) 59-0998  
Tech.Pap.G.F.C.M., 5(49):4 p.  
 Contribution à la connaissance de  
 l'alimentation de l'aloise (Clupea finta,  
 Cuv.) en Adriatique (Contribution  
 to the knowledge of the feeding habits  
 of the shad, Clupea finta Cuv., in the  
 Adriatic). En

Tabulation of general results of  
 analysis of stomach contents &  
 discussion of the ecological  
 significance of these results.

SJH:glk

M

Fodora, V. & 59-1001  
 R. Sará (1958)  
Tech.Pap.G.F.C.M., 5(54):11 p.  
 Rapport sur les essais de pêche faits  
 dans le canal de Sicile avec un chalut  
 hybride (Chalut MAZARA) (Report on  
 the experiments made in the canal of  
 Sicily with a hybrid trawl, MAZARA  
 trawl). En

This new type of trawl, of which a  
 complete description is given, has  
 proved to be no more expensive than the  
 traditional one, requires less  
 maintenance, less horse power, & catches  
 a high proportion of high quality fish.  
 SJH:vf M

Laevastu, T. (1958) 59-0999  
Tech.Pap.G.F.C.M., 5(50):6 p.  
 Finnish surface and mid-water trawl.  
 Fr

Description of the construction of the  
 trawl, its use & results obtained.

SJH:tl

M

Vinja, V. (1958) 59-1002  
Tech.Pap.G.F.C.M., 5(55):6 p.  
 La préparation des catalogues des noms  
 de poissons et la méthode de la geo-  
 graphie linguistique (Preparation  
 of catalogues of fish names and the  
 "linguistic geography" method). En

Describes the advantages of the  
 "linguistic geography" method for  
 drawing up national lists of fish names  
 with a view to preparing a catalogue  
 of marine fauna of the Mediterranean.

SJH:vv

M

AAAS (1959) 59-1003  
Horn-Shafer Co., Baltimore, U.S., 424 p.  
General program-directory of the  
seventh Washington meeting

Lists titles of many symposia & papers  
of interest to oceanographers,  
limnologists, & fisheries biologists,  
presented to the meeting held 26/12/58.

FAO:sjh

MF

Fischer, J. (1958) 59-1006  
Acta hydrophys., 5(1):51-76  
Über nomographische Verfahren in der  
Hydrographie. Teil II (On the  
nomographic procedures in hydrography.  
Part II)

Description of the use of projective  
distorted nomogrammes & their  
application on hydrographic problems.

FiB:tl

M

Griesseier, H. (1958) 59-1004  
Acta hydrophys., 5(1):5-38  
Zur Organisation und Thematik der  
Küstenforschung in der Sowjetunion  
(On the organization and problems of  
the investigation of coasts in the USSR)

A review, containing a detailed  
bibliography on the subject (220  
references).

FiB:tl

MF

A.F. (1958) 59-1007  
Dansk FiskTid., 76:643-4  
På prøvesejlads med universitetets  
havundersøgelseskutter OPHELIA  
(On the maiden trip with the  
university's new research cutter  
OPHELIA)

Description of the new Danish  
research vessel.

FAO:tl

M

Lenz, K. (1958) 59-1005  
Acta hydrophys., 5(1):39-50  
Die Wirkung von Luftdruck, Niederschlag  
und Verdunstung auf die Oberflächen-  
gestalt eines Ozeans (The influence  
of atmospheric pressure, precipitation  
and evaporation on the shape of the  
surface of an ocean)

Analytical consideration on the  
deformation of sea surface in a model  
ocean, caused by changes in atmospheric  
pressure, & precipitation-evaporation  
balance. Friction is taken into  
consideration.

FiB:tl

M

Delone, N.L. (1958) 59-1008  
C.R.Acad.Sci.U.R.S.S., 119:800  
(The combined effect of ethylene-  
diaminetetraacetic acid and X-rays  
on Tradescantia paludosa microspores  
at interphase). Ru

Contents as per title.

FAO:glk

F



Shmalgauzen, I.I. (1958) 59-1009  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):134-7

The ways in which radiation damage  
appears in early development in fish

English translation of 583410.  
Duration of development after x-  
irradiation of Misgurnus fossilis &  
Acipenser stellatus & mitotic  
activities & synchronism.

FAO:glk

MF

Sukachev, V.N. (1958) 59-1012  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):157-9

The combined effect of ethylene-  
diaminetetraacetic acid and x-rays on  
Tradescantia paludosa microspores at  
interphase

English translation of 59-1008.

FAO:

F

Shuleikin, V.V. (1958) 59-1010  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):140-3

How the pilot fish moves with the  
speed of the shark

English translation of 583230.  
Mathematical consideration of the  
proposition that the pilot fish holds  
itself in, & is carried along by the  
friction layer immediately adjacent to  
the surface of the shark's body.

FAO:glk

M

Shmalgauzen, I.I. (1958) 59-1013  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):168-70

The ontogenesis of the opercular  
skeleton of the Acipenseridae and its  
phylogenetic significance

English translation of 583229.

FAO:

MF

Shmalgauzen, I.I. (1958) 59-1011  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):149-53

Arrest of mitosis by x-rays at early  
developmental stages in loach spawn

English translation of 583411.  
Experiments to investigate the action  
of x-rays on the development of the  
spawn, to establish the relationship  
between the type & degree of nuclear  
damage, & the dose, & the way in which  
the extent of the nuclear damage was  
dependent on the developmental stage -  
early or late blastula.

FAO:glk

M

Shmalgauzen, I.I. (1958) 59-1014  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):176-80

The role of the mesenchyme in the  
development of the pigmented epithelium  
of the sturgeon eye

English translation of 583414.  
Results of transplantation experiments.

FAO:glk

MF

Shmalgauzen, I.I. (1958) 59-1015  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):226-8

Influence of flow-rate in reservoirs on  
the condition of the bottom fauna with  
Gor'kii reservoir as an example

English translation of 583412.

FAO:

F

Oparin, A.I. (1958) 59-1018  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):245-8

Ultramicroscopic formations found in  
sea and ocean depths

English translation of 583228.

Application of electron microscopy to  
deposits obtained from water samples  
taken at various depths in the Black  
Sea & Pacific ocean.

FAO:glk

M

Grigorev, A.L. (1958) 59-1016  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):229-32

On the nutrition of marine copepods in  
the tropical region

English translation of 583231.

Gut content analysis.

FAO:glk

M

Pavlovskii, E.N. (1958) 59-1019  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):281-3

Results of an investigation of the  
spawning grounds of Atlantic and  
Scandinavian herring during 1956

English translation of 583409.

Study of the approach of the pro-  
spawning shoals to the spawning grounds,  
an investigation of the conditions &  
character of spawning & its  
effectiveness on the basis of the catch  
of larvae, & observations on the  
departure of the shoals after spawning  
from the spawning grounds.

FAO:glk

M

Shmalgauzen, I.I. (1958) 59-1017  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):233-6

Effect of temperature on gas-exchange  
in larvae of some Pelopiinae (Tendi-  
podidae, Diptora)

English translation of 583234.

Experiments on the effect of  
temperature on the respiration of  
tendipodid larvae of the subfamily  
Pelopiinae: Procladius nigriventris,  
P. chorous & Abalosmyia monilis at  
7 constant temperatures: 5, 10, 15, 20,  
25, 30 & 35.

FAO:glk

F

Pavlovskii, E.N. (1958) 59-1020  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
119(1-6):291-4

Some data on the biology of development  
and reproduction of Acanthocyclops  
viridis (Jur.), (Copepoda, Cyclopoida)

English translation of 583416.

FAO:

M

New Zealand. Department of 59-1021  
Scientific & Industrial Research(1958)  
Wellington, 28 p.  
New Zealand statement for UNESCO  
Conference on the oceanography of the  
Tasman and Coral seas at Cronulla,  
August 9-14, 1958

Contains papers 59-1022 to 59-1027.

FiB:

M

Cassio, R.M. (1958) 59-1024  
Paper prepared for the UNESCO  
Conference on the Oceanography of the  
Coral & Tasman Seas, Cronulla, August  
9-14, 1958, Wellington, 9-12  
Marine biology. Fr

Account of New Zealand programmes in  
progress & contemplated on zoo- &  
phyto-plankton, benthos & microbiology.

FiB:glk

M

Brodie, J.W. (1958) 59-1022  
Paper prepared for the UNESCO  
Conference on the Oceanography of the  
Coral & Tasman Seas, Cronulla, August  
9-14, 1958, Wellington, 1-2  
New Zealand statement on Tasman sea  
oceanography

General statement on behalf of New  
Zealand to the UNESCO conference on  
the oceanography of the Coral & Tasman  
seas.

FiB:glk

M

Brodie, J.W. (1958) 59-1025  
Paper prepared for the UNESCO  
Conference on the Oceanography of the  
Coral & Tasman Seas, Cronulla, August  
9-14, 1958, Wellington, 13-4  
Marine geology. Fr

Sediment sampling is carried out during  
hydrological cruises of TUI. At  
present work is being done on the late  
pleistocene history of eastern Tasman  
sea calcareous sediments based on cores.

FiB:jwb

M

Garner, D.M. (1958) 59-1023  
Paper prepared for the UNESCO  
Conference on the Oceanography of the  
Coral & Tasman Seas, Cronulla, August  
9-14, 1958, Wellington, 3-8  
Physical oceanography. Fr

Account of New Zealand programmes in  
progress & contemplated.

FiB:glk

M

Garner, D.M. (1958) 59-1026  
Paper prepared for the UNESCO  
Conference on the Oceanography of the  
Coral & Tasman Seas, Cronulla, August  
9-14, 1958, Wellington, 17-20  
Physical oceanography. Facilities.  
Fr

Full particulars are given of TUI &  
the oceanographical equipment she  
carries, of the shore laboratory &  
of the personnel in the section.

FiB:dmg

M



Cassie, R.M. (1958) 59-1027  
Paper prepared for the UNESCO  
Conference on the Oceanography of the  
Coral & Tasman Seas, Cronulla, August  
9-14, 1958, Wollington, 21-8  
 Marine biology. Facilities. Fr

Details are given of the field equipment, & laboratory space & equipment used for these investigations.

FiB:rmc

M

Chumak, V.I. (1957) 59-1030  
Zh.vysssh.nervn.Deiatel!, 7:126-34  
K voprosy o mekhanisme uslovnykh  
reflektsov na otnoshenie razdrazhitelei  
 (On the mechanism of conditioned reflexes to the relationship of stimuli)

Experiments on golden crucian carp, among other animals, in setting up conditioned reflexes to the size relationship of visual stimuli under conditions of simultaneous application of the positive & differentiation stimuli, with measurement of rate at which signal values could be extinguished.

:pa

F

Sutherland, N.S. (1957) 59-1028  
Brit.J.Psychol., 48:55-71  
 Visual discrimination of orientation by octopus

Experiments on the discrimination of orientation by octopuses. Various transfer & memory tests were carried out to test whether the animals were discriminating orientation & not other properties of the figures.

:pa

M

Chumak, V.I. (1957) 59-1031  
Zh.vysssh.nervn.Deiatel!, 7:114-25  
Uslovnys refleksy na otnoshenie  
razdrazhitelei u zolotistyykh karasei,  
golubei i krolikov (Conditioned reflexes to the relationship of stimuli in golden crucian carp, pigeons, and rabbits)

Elaboration of conditioned food procuring reflexes in golden crucian carp by visual stimuli having size relationship, & measurement of the rate of development of the reflex, with regard also to shifts in absolute

Hoogland, R., D. Morris 59-1029  
 & N. Tinbergen (1957)  
Behaviour, 10:205-36  
The spines of sticklebacks (Gasterosteus  
and Pygosteus) as means of defence  
against predators (Perca and Esox)

Tests which exposed intact & de-spined sticklebacks to pike & perch showed that the spines of the stickleback are a principle anti-predator defence. The relationship between anti-predator defence & behavioral characteristics of the stickleback are discussed.

:pa

F

59-1031  
 (Card 2)  
 value of the stimuli & their form.

:pa

F

ICNAF (1958) 59-1033  
Halifax, N.S., Canada, 68 p.  
Selected reports of the standing  
committee on research and statistics  
  
Reprints of ICNAF documents, serial  
570, 540, 553 & 413B (Complete reports  
of the committee on research and  
statistics, with appendices).

SJH:sjh

M

Buffe, J. (1958) 59-1036  
Bois For.trop., 60:19-24  
Les pêcheries en branchages "acadja"  
des lagunes du Bas-Dahomey (Acadja  
branches fisheries in the lagoons of  
Lower-Dahomey). En Es

Ill. account of Tilapia fishing by this  
unusual method; incl. tables & catch  
figures.

:efa

F

Ali, S.A. (1958) 59-1034  
Pakistan Rev., 6(6):35-6  
Fish industry of East Pakistan.

Discussion of some problems of fishery  
industries with reference to flake ice  
plants in barges, cold storages. Incl.  
descriptions of methods for canning,  
drying & salting.

:efa

MF

van Pol, H. (1958) 59-1037  
Quart.Bull.S.Pacif.Comm., 8(2):27-51  
25-foot motor fishing boat for  
Pacific waters

Ill. description of the boat,  
designed specially for Pacific  
conditions & equipped with both motor  
& sail.

:efa

M

Anonymous (1958) 59-1035  
Quart.Bull.S.Pacif.Comm., 8(2):19  
New introduction of edible pond fish  
from Philippines

Brief account of introducing Tilapia  
& 4 other pond fish spp. into Pacific  
territories for stocking inland waters.

:efa

F

Anonymous (1958) 59-1038  
Ingeniøren, 2(51):1  
Planter og dyr akkumulerer radioaktive  
affaldsprodukter (Plants and  
animals accumulate radioactive wastes)

Summary of a paper on the uptake,  
accumulation & dissemination of radio-  
active isotopes by algae, sediments,  
fish & water birds.

FAO:tl

F

Parrott, A.W. (1958) 59-1039  
Hodder & Stoughton, London, 127 p.  
Big game fishes and sharks of New Zealand

A popular book containing definition of the various spp. of Thunniformes, Scombroidei, Hexanchiformes, Scyliorhinoidei, Lamnoidei, Squaliformes & others, together with a summary of their habits & life-history in so far as it is known, found off the coasts of New Zealand.

FAO:hr

M

Croome, A. (1959) 59-1042  
Discovery, 20(1):31-3  
Geophysics and space research

Short history of magnetic surveys at sea.

FAO:sjh

M

Borradaile, L.A. & al. (1958) 59-1040  
Univ. Press, Cambridge, 795 p.  
The invertebrata - A manual for the use of students

Contains chapters on Protozoa, Parazoa (Porifera, Metazoa, Coelenterata, Acoelomata (Platyhelminthes), Minor Acoelomate Phyla, Annelida, Arthropoda in general, Onychophora & Trilobita, Crustacea, Myriapoda, Insecta (Hexapoda), Arachnida, Mollusca, Minor Coelomate phyla, Echinodermata, Protochordata, & a section on zoological literature.

FAO:hr

Gorvett, H. (1958) 59-1043  
Nature, Lond., 182:1652-3  
Animal life on wave-beaten rocks

Brief description of fauna & flora on a reef on Oronsay, Argyllshire, UK.

GLK:wad

M

Greenwood, P.H. & 59-1041  
O. Oliva (1959)  
Discovery, 20(1):18-9  
Does a lungfish breathe through its nose?

Ill. article on the respiration of Protopterus dolloi & P. aethiopicus.

FAO:sjh

F

Bunch, R.L. & 59-1044  
E.F. Barth, Jr. (1958)  
Nature, Lond., 182:1680-1  
Serological detection of fermentation wastes

Describes a study to determine the feasibility of identifying such wastes as stream pollutants through recovery of antigens.

GLK:wad

F



IPFC (1957) 59-1045  
FAO reg.Off., Bangkok, 174 p.  
Proceedings 6th session, Tokyo, Japan,  
30th September-14th October, 1955 -  
Section I

Report of the session & certain of the  
working papers submitted, especially  
the report of the Executive Committee.  
A review of the Council's work up to  
commencement of the session, & reports  
of the 2 technical committees.

GLK:glk

MF

Templeman, W. (1958) 59-1048  
Progr.Rep.Atl.Cst Stas, (70):3-9  
Distribution of the inshore catch of  
cod in Newfoundland and Labrador  
waters in the years 1947 to 1949.  
Fr

Incl. notes on change of fishing  
effort.

FiB:efa

M

IPFC (1958) 59-1046  
FAO reg.Off., Bangkok, 450 p.  
Proceedings 6th session, Tokyo, Japan,  
30th September-14th October 1955 -  
Sections II & III

Contains technical papers 59-0748 to  
59-0772 & Symposium papers 59-0773 to  
59-0790.

GLK:sjh

MF

McKenzie, R.A. 59-1049  
& S.N. Tibbo (1958)  
Progr.Rep.Atl.Cst Stas, (70):10-5  
Herring tagging in the Bay of Fundy  
(June to August, 1957). Fr

Narrative of experiments in  
Passamaquoddy area, with notes on  
tagging & recapture sites & general  
movement of the sp.

FiB:efa

M

Fridriksson, A. (1958) 59-1047  
Bull.statist.Pêch.marit., Copenh., 41:  
93 p.  
Bulletin statistique des pêches  
maritimes pour l'année 1956  
(Statistical bulletin of marine  
fisheries for the year 1956)

M

Murray, A.R. (1958) 59-1050  
Progr.Rep.Atl.Cst Stas, (70):16-22  
Survival and utilization of a Atlantic  
salmon of the Little Codroy river,  
Newfoundland. Fr

Brief summary of results to date on  
determination of annual production  
of smolts & their utilization as  
adult salmon.

FiB:efa

MF

Temploman, W. (1958) 59-1051  
Progr.Rep.Atl.Cst Stas, (70):28-30  
 Grand Bank tagged dogfish moves to  
 Iceland. Fr

Reports recapture of ♀ Squalus  
acanthias, over 10 years after  
 tagging, with notes on growth,  
 maturity & condition of celluloid tag  
 on capture.

FiB:efa

M

Paulian, P. (1957) 59-1054  
Terre & la Vie, (4):267-82  
 La pêche autour des îles Saint Paul  
 et Amsterdam et son avenir  
 (Fisheries around the islands of Saint  
 Paul and Amsterdam and their future)

Contains a short description of the  
 islands & their fishing grounds, &  
 considers the fishes & lobster, the  
 present fisheries & their future, &  
 the protection of the fishing grounds.

FAO:hr

M

Dickie, L.M. (1958) 59-1052  
Progr.Rop.Atl.Cst Stas, (70):31-4  
 Recent trends in the scallop fishery  
 of Eastern Canada. Fr

Contents as per title.

FiB:efa

M

Domontiev, G.P. (1957) 59-1055  
Terre & la Vie, (4):305-17  
 La protection de la nature en U.R.S.S.  
 (The protection of nature in the USSR)

Brief remarks on protection &  
 acclimatation of aquatic fauna incl.  
 fish such as Mugil cophalus, Acipensor  
nudiiventris, Salmo ischan & Gambusia  
affinis.

FAO:hr

MF

Dorst, J. (1957) 59-1053  
Terre & la Vie, (1):3-50  
 La vie sur les hauts plateaux andins  
 du Perou (Life on the high Andean  
 plateaux of Peru)

Contains general considerations on  
 the fauna & flora of the lakes of the  
 region incl. lake Titicaca.

FAO:hr

F

Etchecopar, R.D. (1957) 59-1056  
Terre & la Vie, (4):318-23  
 Visites à trois refuges ornithologiques  
 de Grande-Bretagne (Visit to  
 three ornithological sanctuaries of  
 Great Britain)

Contains remarks & notes on marine  
 mammals, birds, & salmon found in the  
 sanctuaries.

FAO:hr

MF

Gaskell, T.F., M.N. Hill 59-1057  
& J.C. Swallow (1958)  
Phil.Trans., 251A(988):23-83  
Seismic measurements made by H.M.S.  
CHALLENGER in the Atlantic, Pacific  
and Indian oceans and in the  
Mediterranean sea, 1950-53

M

Arrau, L.U. (1958) 59-1060  
Rev.biol.mar., Valparaiso, 7(1-2-3):  
39-61  
Desarrikki del erizo comestible de  
Chile Loxechinus albus Mol.  
(Development of the edible Chilean  
sea-urchin, Loxechinus albus Mol.)

Gametes, fertilisation & embryogenesis;  
development of the larval skeleton,  
external morphology & the coelom;  
metamorphosis; development of the  
primary placodes & the spines;  
analysis of results into developmental  
stages.

GLK:glk

M

Australia. Division of 59-1058  
Fisheries & Oceanography (1958)  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (15)  
24 p.  
F.R.V. DERWENT HUNTER

Scientific personnel, itinerary &  
scientific reports of each of 4  
cruises; reports deal with: hydrology,  
physics, plankton, tuna & barracouta.

FAO:glk

M

Etcheverry, H.D. (1958) 59-1061  
Rev.biol.mar., Valparaiso, 7(1-2-3):  
63-182  
Bibliografia de las algas chilenas  
(Bibliography of Chilean algae)

Account of the history of Chilean  
algological research; alphabetical  
list of authors with titles of their  
papers, followed by the same list  
annotated; revision of the spp. of  
algae described by G. Montagne in the  
Flora Chilena.

GLK:glk

M

De Buen, F. (1958) 59-1059  
Rev.biol.mar., Valparaiso, 7(1-2-3):  
3-38

Peces del suborden Scombroidei en  
aguas de Chile (Fishes of the sub-  
order Scombroidei in Chilean waters)

Key; for each sp. some notes on matters  
such as size, fishery, & ecology.

GLK:glk

M

Castro, C. (1958) 59-1062  
Rev.biol.mar., Valparaiso, 7(1-2-3):  
183-7

Estudios sobre poliquetos chilenos  
Pisione orstedii Gr. (Studies on  
the Chilean polychaete Pisione orstedii  
Gr.)

Description of the sp.

GLK:glk

M



Fagetti, E.G. (1958) 59-1063  
Rev.biol.mar., Valparaiso, 7(1-2-3):  
188-90

Nota sobre Physalia physalis L.  
procedente de la isla de Pascua  
(Note on Physalia physalis L. from  
Pascua Is.)

Identification & taxonomic status.

GLK:glk

M

Stoloff, L. & P. Silva (1957) 59-1066  
Econ.Bot., 11:327-30

An attempt to determine possible  
taxonomic significance of the  
properties of water extractable  
polysaccharides in red algae

Determination of the degree of  
correlation between polysaccharides &  
the morphological & reproductive  
criteria used to establish the groups  
of algae.

FAO:tl

M

Rotschi, H. & 59-1064  
H.R. Jitts (1957)  
Rapp.sci.Inst.franç.Océanie, (3):52 p.  
ORSOM III - Océanographie physique.  
Rapport technique de l'expédition  
EQUAPAC (Croisière 56-4) (ORSOM  
III - Physical oceanography.  
Technical report of the EQUAPAC  
expedition, cruise 56-4)

Tabulated & graphically presented  
oceanographic data & data on C<sup>14</sup>  
uptake from the central West Pacific.

TL:tl

M

Pearsall, W.H. (1958) 59-1067  
Nature, Lond., 182:1405-6

Conservation of natural resources

Report of 6th General Assembly &  
7th Technical Meeting of IUCNNC at  
Athens 10-19/9/58 which incl.  
discussion of aquatic resources.

GLK:sjh

F

Rotschi, H. (1958) 59-1065  
Rapp.sci.Inst.franç.Océanie, (5):34 p.  
ORSOM III - Océanographie physique.  
Rapport technique de la croisière  
56-5 (ORSOM III - Physical  
oceanography. Technical report of the  
cruise 56-5)

Tabulated & graphically presented  
oceanographic data from the central  
West Pacific.

TL:tl

M

Shewan, J.M., G.D. Floodgate 59-1068  
& P.R. Hayes (1958)

Nature, Lond., 182:1423-4

A national type culture collection of  
marine bacteria

Account of background to the decision  
to set up such a collection at the  
Torry Research Station, Aberdeen,  
Scotland.

GLK:sjh

M

Anonymous (1958) 59-1069  
Sea Frontiers, 4:195-200  
Feast or famine?

Popular notes on the present & future  
need of food & the potential marine  
resources & needs for investigation &  
exploration of the latter.

FAO:tl

M

Volpe, A. (1958) 59-1072  
Sea Frontiers, 4:225-31  
Sharks are useful

Review of the past & present uses of  
sharks & notes on fishing methods.

FAO:tl

M

Idyll, C.P. (1958) 59-1070  
Sea Frontiers, 4:201-9  
Ambergris - Neptune's treasure

Notes on formation of ambergris, its  
present value & uses.

FAO:tl

M

Ellis, R.W. (1958) 59-1073  
Sea Frontiers, 4:235-41  
How old do fish grow?

Notes on the methods of determining  
age of fish & the use of results in  
stock assessment.

FAO:tl

M

Long, E.J. (1958) 59-1071  
Sea Frontiers, 4:212-23  
Most ominous wave!

Popular review of the generation,  
properties & propagation of tsunamis  
& the destruction caused by them.

FAO:tl

M

Anonymous (1958) 59-1074  
Sea Frontiers, 4:242-7  
Stalking the grey ghosts

Review of the ice services in Arctic  
& iceberg scouting in North Atlantic.

FAO:tl

M

Randall, J.E. (1958) 59-1075  
Sea Frontiers, 4:248-9  
Watch for tagged tarpon!

Notes on the tagging of tarpons;  
methods used & some earlier recoveries  
of tags.

FAO:t1

M

Brandt, A. (1957) 59-1078  
Arch.LebensMitte, 8:7-9  
A rare fish-poisoning produced by  
chemicals

Countless persons since 1949 report  
fish poisoning. This results from  
eating fish contaminated with a war-  
gas from a container dumped south  
of the Danish isle of Bornholm at the  
end of the war. The poison is  
concentrated in fish's gill. When the  
heads are removed from the catch,  
after bringing them in an inverted  
position no toxicity is noted.

:cfa

M

Alverson, D.L. (1958) 59-1076  
Pacif.Fisherm., 56:21, 23, 25  
Report from the Hamburg fishing gear  
congress - Today's trends in trawling

Brief subject review of papers  
presented on various aspects of  
trawling such as new vessel design,  
factory ships, trawl kites & midwater  
trawling.

:cfa

M

Dow, R.L. (1958) 59-1079  
Fish.Gaz., 75:24, 39  
Maine's fisheries education program

M

Anonymous (1957) 59-1077  
Fish.News, Lond., (2306):3  
Gong aid is a big help to any skipper

A fishgong, designed to supplement the  
fishscope, is an aural monitoring unit  
that can be adjusted to give audible  
notice to the skipper, by means of  
"pips", when fish of sufficient  
quantity are in the catchable zone.

:cfa

M

Suwanrat, K. (1957) 59-1080  
Fish.News, Bangkok, 10:385-94  
(Import and export of fishery products  
of Thailand). Th En

Statistics of export & import fish  
products, with notes on estimated  
total catch & annual per capita.

SJH:cfa

MF



Amatayakul, C. (1957) 59-1081  
Fish.News, Bangkok, 10:415-27  
(Some interesting points on ark shell culture in Japan and Thailand).  
Th En

Notes on methods of culture, harvesting & packing in both countries.

SJH:ofa

M

Gnorn, V.D. (1957) 59-1084  
Fish.News, Bangkok, 10:485-95  
(Fisheries of Lamsing, Chantburi).  
Th En

Brief review of fisheries & fishery economy of the district with some suggestions for improvement.

SJH:ofa

MF

Thailand. Department of 59-1082  
Fisheries.Statistics Section (1957)  
Fish.News, Bangkok, 10:435-8  
(Fisheries Statistics). Th En

Statistics of freshwater & sea fishes & salted fishery products landed at Bangkok wholesale market in April-June 1957, with average prices of auctioned sea fish.

SJH:ofa

MF

Tochakomol, D. (1957) 59-1085  
Fish.News, Bangkok, 10:497-500  
(Method of culturing of Chinese carp fingerlings in Hongkong). Th En

Notes on preparation of nursery ponds; number of fingerlings liberated in each pond; feeding, growth rate & mortality rate; method of catching fingerlings; parasites & method of curing.

SJH:ofa

F

Anonymous (1957) 59-1083  
Fish.News, Bangkok, 10:461-8  
(Capital invested in the marine fishing industry in the Gulf of Thailand). Th En

Notes on procedure of calculating the investment in fishing industry with regard to earnings of fishing units.

SJH:ofa

MF

Tavaranusorn, P. (1957) 59-1086  
Fish.News, Bangkok, 10:523-9  
(Inspection and certification of salted Pla-Tu for export). Th En

Notes on procedure & conduct of inspection & certification of salted Rastrelligor for export in Thailand.

SJH:ofa

M

Suriyong, K.S. (1957) 59-1087  
Fish.Nows, Bangkok, 10:539-45  
 (Dried hoikraong (Ark shell) ).  
 Th En

Notes on drying process.

SJH:cfa

M

Shmalgauzon, I.I. (1958) 59-1090  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
 118(1-6):32-5

Development of the eye in the lamprey  
 in connection with certain  
 peculiarities of its ecology

English translation of 582980.

Account of the complete organogenesis  
 of the lateral eyes of the lamprey &  
 discussion of their functional  
 significance with relation to the  
 changing environment at each stage of  
 development of the animal.

FAO:glk

MF

Thailand. Department of 59-1088  
 Fisheries. Statistics Section (1957)  
Fish.Nows, Bangkok, 10:567-9  
 (Fishery statistics). Th En

Statistics of freshwater & sea fishes  
 & salted fishery products landed at  
 Bangkok wholesale market in January-  
 June, 1957, with average prices of  
 auctioned sea fish.

SJH:cfa

MF

Shaposhnikov, V.N. (1958) 59-1091  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
 118(1-6):81-3

Determination of the rate of bacterial  
 sulfate reduction in the bottom  
 deposits of the Gor'kovskoe reservoir,  
 using S<sup>35</sup>

English translation of 582973.

Determination of daily sulphate-  
 reduction, numbers of desulphurising  
 bacteria & hydrogen sulphide content of  
 the bottom deposits of Gor'kovskoe  
 reservoir.

FAO:glk

F

Eibl-Eibesfeldt, I. 59-1089  
 & S. Kramer (1958)  
Quart.Rev.Biol., 33:181-211  
 Ethology, the comparative study of  
 animal behaviour

Examination of the contributions of  
 ethology in description of certain p  
 patterns of behaviour, indication of  
 their phyletic descent, & demonstration  
 of their hierarchical organization,  
 to establishment of a theory of animal  
 behaviour; against this background an  
 appraisal is made of recent criticisms  
 of ethology.

FAO:glk

MF

Grigorov, A.A. (1958) 59-1092  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
 118(1-6):84-6

Vertical distribution of copepods in  
 the Kuroshio and their mode of  
 penetration into the zone of mixing  
 of subtropical and subarctic waters

English translation of 582984.

Classification of copepods into 4 types  
 according to the strata they occupy  
 during the day & at night with a view  
 to their use as ecological indicators.

FAO:glk

M

Grigorev, A.A. (1958) 59-1093  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
118(1-6):87-9

Typing of different areas of the  
neritic zone of the boreal region of  
the Pacific ocean

English translation of 582985.  
Scheme for typing these waters  
according to quantity of phytoplankton  
as prime determinant of biological  
productivity.

FAO:glk

M

US. Department of the Interior. 59-1096  
Fish & Wildlife Service (1958)  
Statist.Dig.U.S.Fish Wildl.Serv., (42):  
44 p.

Propagation and distribution of food  
fishes for the calendar years 1955 and  
1956

Tables of numbers & weights of fishes  
& eggs of different spp. distributed  
by each hatchery, by states, agency,  
class of water.

FiB:sjh

MF

Shmalgauzon, I.I. (1958) 59-1094  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
118(1-6):118-21

On gonad maturation and female  
productivity in species of Euphausians  
abundant in the Baronts sea

English translation of 581351.  
Description of seasonal changes in the  
gonads of Thysanoessa inornata Kröyer  
& Th. raschii M. Sars & estimation  
of fecundity with a view to the  
importance of the females with regard  
to the plankton mass during the  
reproductive period.

FAO:glk

M

GFCM (1958) 59-1097  
FAO, Rome, 29 p.

Agenda and notes - 5th meeting.  
En Fr

Contents as per title.

SJH:glk

MF

Shaposhnikov, V.N. (1958) 59-1095  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
118(1-6):122-5

The application of radioactive  $C^{14}$  to  
determine the assimilation of  
protococcoid algae by larvae of the  
midge Tondipes plumosus

English translation of 581352.  
Laboratory experiments.

FAO:glk

F

IWC (1958) 59-1098  
London, 29 p.  
Ninth report of the Commission

Lists of Commission members &  
participants; general report of whaling  
activities, notifications & resolutions;  
table of infractions. Appendices incl.  
report of scientific sub-committee,  
list of documents received, financial  
accounts; table of oil production  
statistics for 1949/50 - 1957/58.

FAO:sjh

M



<p>Thailand. Department of Fisheries (1958?)  <u>Bangkok</u>, 52 p.  A general account on the fisheries of Thailand</p> <p>General characteristics of the land, internal water &amp; adjacent seas; climate, blatter, types of plants &amp; animals utilized, production statistics, gear used, men employed, disposition of catches, trade, processing, revenue, Government research &amp; development activities.</p> <p>SJH:sjh MF</p>	<p>Carrothers, P.J.G. (1957) 59-1102  <u>Vancouver, B.C.</u>, 85 p.  The selection and care of nylon gill nets for salmon</p> <p>Contents as per title.</p> <p>FAO:cfa MF</p>
<p>FAO (1958) 59-1100  <u>FAO Fish.Pap.</u>, (12):29 p.  World fisheries: general trends and outlook with examples from selected countries</p> <p>Reprint from "The State of Food &amp; Agriculture", <u>St.Fd Agric.</u>, Rome, 1956: 100-27.</p> <p>SJH:sjh MF</p>	<p>Olafsson, D. (1958) 59-1103  <u>Nordiske Fiskerikonferenco, Hindsgaul</u>, (6), 11-14 Aug., no. 4  Konferencen i Genova og fiskerierne (Conference in Genova and fisheries)</p> <p>A review of the discussions &amp; results of the conference in respect to fisheries.</p> <p>FiB:tl M</p>
<p>Birkhoff, C. (1957) 59-1101  <u>Ditzon &amp; Co., Bromorhavan</u>, 153 p.  Seefischeri in Gegenwart und Zukunft (Sea fisheries at present and in the future)</p> <p>Survey on problems &amp; methods of fishing vessels used in the world fisheries.</p> <p>FAO:dr M</p>	<p>Kaartotie, T. (1958) 59-1104  <u>Nordiske Fiskerikonferenco, Hindsgaul</u>, (6), 11-14 Aug., no. 5  Foruroner af og industrielle spæringer i ferske vande (Pollution and industrial blocking of inland waters)</p> <p>Review of the influence of logs floating, construction of dams, regulation of water level &amp; various types of pollution on inland waters &amp; fresh water fishery.</p> <p>FiB:tl F</p>

Bournsoll, J.C. (1958) 59-1105  
University Press, Cambridge, 67 p.  
Safety techniques for radioactive  
tracers

Description of health hazards &  
precautions & protective measures to  
be taken by working with radioactive  
isotopes in 'hot' & 'cold' laboratories.

FAO:tl

G

Aikawa, H. (1957) 59-1108  
Suisan Kagaku, 6(3-4):2-6  
Fishery biology and internal  
regulation of fisheries

MF

Anonymous (1958) 59-1106  
Prot.FischTech., 5(22-23):275 p.  
Erster Internationaler Fischerei-  
fanggeräte-Kongress der FAO in Hamburg  
7 -12 Oktober 1957 (FAO Inter-  
national Fishing Gear Congress,  
Hamburg, 7-12 October 1957)

Summary report of the results  
obtained, specially prepared &  
supplemented with regard to the  
German fishing industry for the German  
commercial fishermen.

GLK:dr

MF

Asano, N. (1957) 59-1109  
Suisan Kagaku, 6(3-4):6-12  
A consideration of international  
fisheries, mainly in relation to the  
U.N. Draft of Resolution of Seas

M

Carrier, N.H. (1958) 59-1107  
Popul.Stud., 12:149-63  
A note on the estimation of mortality  
and other population characteristics  
given deaths by age

Theory of the method applicable to a  
stable population; examples for  
human populations.

FAO:sjh

G

Kawakami, K. (1957) 59-1110  
Suisan Kagaku, 6(3-4):13-20  
Fishery regulation and the positions of  
costal countries

M

Matsushita, T. (1957) 59-1111  
Suisan Kagaku, 6(3-4):20-4, 44  
 The Japan-United States-Canada fishery  
 treaty

M

Kuhn, H. (1957) 59-1114  
Gas-u. Wasserfach, 98:228-31  
 Lake Zürich-lake Constance, a  
 limnological comparison

Describes limnological & biological  
 conditions in lake Zürich, dealing with  
 alterations since 1896 when the first  
 mass invasion of Tabellaria fenestrata  
 was observed & deposition of septic  
 sludge began in the deepest parts.  
 Then compares conditions in lake  
 Constance.

:wpa

F

Hanamura, N. (1957) 59-1112  
Suisan Kagaku, 6(3-4):25-8  
 Present status of Soviet Russian Far  
 Eastern fisheries and Japanese-Soviet  
 fishery negotiations

M

Love, S.K. & 59-1115  
 L.L. Thatcher (1957)  
Analyt.Chem., 29:722-34  
 Water analysis

A review of major work published in the  
 field of water analysis during the  
 years 1955 & 1956 is presented. A  
 bibliography of 302 references is given.

:wpa

MF

Stundl, K. (1957) 59-1113  
Zbl.Bakt., I, 163:312  
 Biology of storage reservoirs

From long-term investigations  
 alterations in the condition of the  
 water & the biology in such reservoirs  
 & their effect on the use of the water  
 are described.

:wpa

F

Hummel, H.G. (1957) 59-1116  
Gas-u. Wasserfach, 98:238-9  
 Layering phenomena and currents in  
 artificial reservoirs & their  
 recognition in the building and  
 operation of impounding reservoirs for  
 water supply

Contents as per title.

:wad

F



Anonymous (1957) 59-1117  
Engng News Rec., 158(13):43  
The Blue Point oyster grows again

A low-cost method for treating waste waters from duck farms which had caused **destruction** of the Blue Point oyster population is described.

:wpa

MF

Everts, C.M. & 59-1120  
A.H. Dahl (1957)  
Amer.J.Publ.Hlth, 47:305-10  
The federal water pollution control act of 1956

A summary of the act.

:wpa

F

Wolman, A. (1957) 59-1118  
J.Amer.Wat.Wks Ass., 49:5:5-11  
Disposal of radioactive wastes

Discusses the problem & comments on current & prospective practices, incl. transport to selected sites, recovery for re-use, disposal at sea, storage in tanks, disposal in deep wells, dumping, solid fixation processes, & disposal in salt mines.

:wpa

MF

Soule, R.M. (1957) 59-1121  
Sanitalk, 5(3):16-7, 27  
Multiple uses of water supply reservoirs and watersheds

The problem of the use of sources of public water supply, mainly lakes & reservoirs, for recreational activities is discussed, & the necessity for restricting or prohibiting these activities wherever possible to avoid contamination of the water is stressed.

:wpa

F

Lieberman, J.A. (1957) 59-1119  
Amer.J.Publ.Hlth, 47:345-51  
Engineering aspects of the disposal of radioactive wastes from the peacetime applications of nuclear technology

Reviews methods currently used for the disposal of solid, liquid, & gaseous radioactive waste materials, based on the principles of dilution & dispersion, & of concentration & storage.

:wpa

MF

Anonymous (1957) 59-1122  
J.Brit.Waterwks Ass., 39:443-52  
The water industry and fisheries

Various speakers at the 46th annual conference of the British Waterworks Association discussed the effects of the activities of water undertakings on fresh-water fisheries.

:wpa

F

Arthur, G.B. (1957) 59-1123  
Publ.Wks, N.Y., 88(9):134-6, 175-85  
The water we do not use

Considers methods of increasing the water resources of the United States, by conservation of rainfall, control of evaporation, re-use of waste waters & domineralization of sea water.

:wpa

MF

Hoak, R.D. (1957) 59-1126  
Industr.Wastos, 2:88-91  
A rational programme for stream pollution control

F

Merryfield, F. (1957) 59-1124  
J.Amor.Wat.Wks Ass., 49:986-92  
Review of Oregon water law

Reviews the climatic conditions, rainfall & run-off in Oregon, & the use of surface water for hydro-electric power, fisheries, floating logs, & for irrigation.

:wpa

F

Fish, H. (1957) 59-1127  
Contract Rec., 68(28):23-5, 27, 30  
Streams and their use

F

Patrick, K.E. (1957) 59-1125  
Munic.Util., 95(8):29-30, 36-8  
Problems involved in developing  
Greater Vancouver Capilano water supply

Problems caused by the construction of the dam incl. the provision of an adequate supply of water for fishlife below the dam, the effect of the twice-yearly lake turnover on the mineral content of the water & the increase in turbidity during storms & periods of high river flow.

:wpa

F

Tennessee Valley Authority. 59-1128  
Fish & Game Branch (1958)  
Report No. 221-58:14 p.  
1958 annual report

A report summarizing the results of & conclusions from 25 years of fisheries & wildlife investigations & management of Tennessee Valley Authority waters & lands.

WAD:wad

F

Wald, G. (1958) 59-1129  
Science, 128:1481-90  
 The significance of vertebrate metamorphosis

Discussion of the phylogenetic & ecological significance of the distribution of visual pigments, of the properties of hemoglobin, & the modes of N excretion, & of the changes in these during metamorphosis; the discussion relates especially to the connotation of terms signifying salinity tolerance & describing migrations.

FAO:glk

MF

Ribeiro de Moraes, J. (1957) 59-1132  
Bol.Industr.anim., 16:95-109  
 Tabela de pontos própria para aquariocultura (Points table for aquarium culture). En

Contains a points table system for the classification of aquariums. Fish, plants, tank, & arrangement of aquariums are considered.

HR:hr

F

Harrington, R.W., Jr. 59-1130  
 & J.S. Haeger (1958)  
Science, 128:1511  
 Prolonged natural deferment of hatching in killifish

The drying up of flooded low-lands stranded eggs of Fundulus confluentus which were unhatched & viable eggs were found in the moist plant debris on the soil surface. When ovigerous sods were immersed in tap water, normal fish hatched within 15 to 30 minutes.

FAO:rwh

F

Ribeiro de Moraes, J. (1957) 59-1133  
Bol.Industr.anim., 16:111-70  
 Aspectos da economia pesqueira em São Paulo (Aspects of fisheries economy in São Paulo). En

Considerations on the economy of the fisheries of São Paulo, Brazil, with analysis of aspects of production, handling, retail, transportation, distribution & consumption.

HR:hr

M

De Azevedo, P. & 59-1131  
 A. Manarini (1957)  
Bol.Industr.anim., 16:81-94  
 A Tilápia nao é peixe carnívoro (Tilapia is not a carnivorous fish). En Fr

A substantial argumentation proving that tilapia could, at the most, be considered omnivorous. Reasons which guided the introduction of the Tilapia melamopleura in the São Paulo, Brazil, waters are also given.

HR:hr

F

Buss, K. & 59-1134  
 J.E. Wright (1958)  
Penn.Angler, 27(11):2-4  
 Hybrid trout studies

Popular article on studies made in Pennsylvania on crosses between Salmo trutta, S. gairdneri, Salvelinus fontinalis, S. namaycush & some of their hybrids. Ill. with photos.

FiB:wad

MF



<p>Rönne, C. (1958) 59-1135  <u>Oceanus</u>, 6(1):2-8  The camera as a tool</p> <p>Review of the use of areal photography for study of waves, maritime meteorology &amp; marine beaches.</p> <p>FAO:tl M</p>	<p>Clarke, G.L. (1958) 59-1138  <u>Oceanus</u>, 6(1):14-5  The luminescence camera</p> <p>Short notes on a bathyphotometer, capable of measuring very low illumination &amp; its use in marine biology.</p> <p>FAO:tl M</p>
<p>Anonymous (1958) 59-1136  <u>Oceanus</u>, 6(1):9-11  30,000 photos a second two miles down</p> <p>Notes on the use of high-speed motion picture camera for the study of underwater explosions.</p> <p>FAO:tl M</p>	<p>Posgay, J.A. (1958) 59-1139  <u>Oceanus</u>, 6(1):16-9  Photography of the sea floor</p> <p>Notes on the development of an underwater camera &amp; its use for the survey of benthic epifauna.</p> <p>FAO:tl M</p>
<p>Lewin, J.C. &amp; 59-1137  D.E. Philpott (1958)  <u>Oceanus</u>, 6(1):12-3  Electron micrographs of diatoms</p> <p>Notes on the necessity for electron micrographs of diatoms ill. with 4 such micrographs.</p> <p>FAO:tl M</p>	<p>Owen, D.M. (1958) 59-1140  <u>Oceanus</u>, 6(1):22-37  Photography underwater</p> <p>Short description of various underwater cameras &amp; methods used in deep sea photography as well as photography by divers.</p> <p>FAO:tl M</p>

Margolis, L. (1958) 59-1141  
Canad.J.Res.(Zool.), 36:889-92  
The identity of the species of  
Lepeophtheirus (Copepoda) parasitic  
on Pacific salmon (Genus Oncorhynchus)  
and Atlantic salmon (Salmo salar)

A review of existing descriptions of  
Lepeophtheirus from salmonids of the  
Atlantic & Pacific oceans suggest that  
L. salmonis is the only sp. found on  
salmonids from both oceans. The  
differentiation of L. uenoi as a  
distinct sp. on Pacific salmon seems  
to be the result of incorrect or

59-1143  
(Card 2)  
greatest numbers of larvae were  
moving downstream, & the fluctuations  
in number of larvae during the summer.

FAO:lsw

M

59-1141  
(Card 2)  
inadequate early descriptions of  
L. salmonis.

FAO:hr

M

Lubinsky, I. (1958) 59-1145  
Canad.J.Res.(Zool.), 36:869-81  
Studies on Mytilus edulis L. of the  
CALANUS expeditions to Hudson Bay and  
Ungava Bay

Gives the first detailed data on the  
distribution of Mytilus edulis L.  
in Ungava Bay, Hudson Strait, & the  
northern part of the Hudson Bay. Types  
of shells of this mollusc & their  
growth in the above regions are  
described. The dependence of the  
distribution of M. edulis on the types  
of water masses & its relation to the

Wolfe, L.S. & 59-1143  
D.G. Peterson (1958)  
Canad.J.Res.(Zool.), 36:863-7  
A new method to estimate levels of  
infestations of black-fly larvae  
(Diptera: Simuliidae)

Hollow, metal cones, 20 cm high, 10 cm  
in diameter at the base, & painted  
white, were placed in infested streams.  
The larvae attached to the cones in  
preference to stones or vegetation.  
Counts of those attached gave  
estimates of the levels of infestation  
in the streams, the periods when

59-1145  
(Card 2)  
northern limits of the subarctic  
zone in the Canadian eastern Arctic  
is discussed.

FAO:il

M

Margolis, L. (1958) 59-1147  
Canad.J.Res.(Zool.), 36:893-904  
 A new species of Lecithophyllum from  
 North Pacific fishes with a  
 consideration of the taxonomy of the  
 genera Lecithophyllum, Aponurus, and  
Brachadona (Tromatoda: Homiuridae)

Lecithophyllum antoroporum n.sp. is  
 described from Merluccius productus  
 from British Columbia waters. Other  
 hosts in the North Pacific are  
Oncorhynchus nerka & O. gorbuscha.  
 The status of the genera Lecithophyllum  
Odhnor, Aponurus Looss, & Brachadona  
 Linton, & allocation of spp. with these

Curry-Lindahl, K. (1958) 59-1150  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956):  
 151-3

On the ecology, feeding behaviour and  
 territoriality of the African lungfish,  
Protopterus aethiopicus Heckel

A study of feeding, & habitats of the  
 sp. & its predators in lake Edward &  
 in the marshes around the Ruzizi river  
 north of lake Tanganika. Abstr. only.

FAO:hr

F

59-1147  
 (Card 2)  
 genera are discussed. Keys to separate  
 the 3 genera & the 4 spp. of  
Lecithophyllum are presented.

FAO:lm

M

Damas, H. (1958) 59-1151  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956):  
 161-2

Etude limnologique de quelques lacs  
 ruandais. IV. Les sédiments et leur  
 faune - conclusions générales  
 (Limnological study of some lakes of  
 Ruanda. IV. Sediments and their fauna -  
 general conclusions)

Describes the sediments of the basins of  
 the lakes studied & the distribution of  
 the most frequent benthic fauna, &  
 discusses their eutrophic characteristics  
 compared with European lakes. Abstr. only.  
 FAO:hr F

Van don Bergho, M.L. (1958) 59-1149  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956):  
 40-1

Rapport du Directeur. A. Sciences  
 biologiques. d. Hydrobiologie  
 (Report of the Director. A. Biological  
 sciences. d. Hydrobiology)

A brief report on the development  
 of the investigations of biology of  
 fishes, hydrobiology, & plankton of  
 lake Tanganika, & coastal fishes.

FAO:hr

MF

Laurent, R.F. (1958) 59-1152  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956):  
 231-2

Contribution à l'herpétologie de la  
 région des grands lacs de l'Afrique  
 centrale. I. Généralités - II. Chelo-  
 niens - III. Ophidiens (Contribution  
 to the herpetology of the great lakes  
 of Central Africa. I. Generalities - II.  
 Chelonians - III. Ophidians)

A taxonomic study of spp. & voces &  
 their distribution. Abstr. only.

FAO:hr

F



Marlier, G. (1958) 59-1153  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956)  
 247  
 Description d'une espèce alticole de  
 Trichoptère africain (Description  
 of a species of African Trichoptera)

Description of adult & larval stages of  
Polycentropus africanus n.sp. from  
 lake Lungwe. Abstr. only:

FAO:hr

F

Marlier, G. (1958) 59-1156  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956)  
 Existence de races isolées de poissons  
 dans le lac Tanganika (The  
 existence of isolated races of fish  
 in lake Tanganika)

Considerations on local raciation of  
 Cichlids & molluscs. Abstr. only.

FAO:hr

F

Marlier, G. (1958) 59-1154  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956)  
 247  
 Leptoceridae de la région du lac  
 Tanganika (Leptoceridae of the  
 lake Tanganika region)

Describes the following spp.:  
Leptocerus microbatia n.sp., Parase-  
todes sudanensis tanganicanus n.sbsp.,  
Leptocerina integra n.sp., Pseudo-  
leptocerus schoutedeni, Adicella  
contorta, Setodes neavei, Oocetis  
inflata, O. simplex, O. cochleata &  
Potamoryza vulgata. Larvae, nymphs &

metamorphoses are also described.  
 Abstr. only.

FAO:hr

F

Symoens, J.J. (1958) 59-1157  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956)  
 285  
 Le lac Tanganika (The Tanganika  
 lake)

A summary of the present knowledge of  
 the lake regarding its origin, basin  
 & relief, sub-lacustrine valleys,  
 physico-chemistry of the water, life  
 in the pelagic zone & on the coastal  
 zone, origin & particularities of the  
 fauna of the lake & fisheries of the  
 lake. Abstr. only.

FAO:hr

F

Symoens, J.J. (1958) 59-1158  
Rapp.Inst.Rech.sci.Afr.cent., 9(1956)  
 285  
 Sur la formation de "fleurs d'eau" à  
 Cyanophycées (Anabaena flos aquae)  
 dans le bassin nord du lac Tanganika  
 (On the water bloom formations,  
 Cyanophyceae, Anabaena flos aquae, on  
 the northern basin of lake Tanganika)

A record of water bloom during  
 September & October & considerations  
 on its cause. Abstr. only.

FAO:hr

F

Cadenat, J. (1958) 59-1159  
Notes afr., (80):116-20  
 Les diables de mer (Raies pélagiques de la famille des Mobulidae)  
 (Devil fishes - Pelagic rays of the family Mobulidae)

An ill. article containing a key for determination of the spp. found in West African waters, information on specific characters & French, English, Portuguese, Spanish vernacular names as well as vernacular names in different dialects spoken in Senegal & Guinea.

FAO:hr

M

Friol, F.S. (1957) 59-1162  
J.Amer.Wat.Wks Ass., 49:1147-59  
 Land policy for impounding reservoirs

Discusses the clearing of structures & trees from reservoir areas before flooding, the acquisition & size of marginal strips of land around reservoirs, & the control of public access to watershed areas.

:wpa

F

Naegelé, A. (1958) 59-1160  
Notes afr., (80):123-4  
 Deux nouvelles stations de Cassis spinosa Gronovius au Sénégal  
 (Two new records of Cassis spinosa in Senegal)

Records of the spp. - family Cassididae - from Palmarin south of Joal & draggings at Dakar.

FAO:hr

M

Anonymous (1957) 59-1163  
J.Amer.Wat.Wks Ass., 49:1160-78  
 Public access to lands surrounding impounding reservoirs

Contents as per title.

:wad

F

Paraiso, F. (1958) 59-1161  
Notes afr., (80):124-5  
 Noms vernaculaires de quelques animaux marins récoltés en Casamance  
 (Vernacular names of some marine animals collected in Casamance)

Scientific & vernacular names of sharks, teleosteans, mammals, reptiles, crustaceans & molluscs.

FAO:hr

M

Felkel, K. (1957) 59-1164  
Gas-u.Wasserfach, 98:650-1  
 Biological effects of dams

Discussion of the importance of maintaining oxygen equilibrium in impounded waters.

:wpa

F

Moutoussis, C. & 59-1165  
J. Papavassilou (1957)  
Acta microbiol.hellenica, 2:15  
The bacteriological examination of sea  
water in bathing places near Athons

Examination of 21 sea bathing places  
near Athens showed contents of more  
than 100 coliform bacteria per ml at  
7 places; 9 places were free from  
coliform bacteria. Classification of  
sea water for bathing places is  
suggested.

:wpa

M

East Sussex River 59-1168  
Board (1957)  
22 p.  
Seventh annual report for the year  
ended 31st March 1957

Incl. information on water resources,  
land drainage, fisheries, & prevention  
of river pollution.

:wpa

F

Bucksteeg, W. (1957) 59-1166  
Desinfekt.u.Gesundheitswes., 49:18  
The problem of estimating the  
harmfulness of waste waters

Discusses the inadequacy of present  
methods of examination for judging  
the possible effects of waste waters  
on treatment plants & in streams & for  
assessing fair distribution of costs  
& proposes an evaluation scheme.

:wpa

F

Gwynedd River Board (1957) 59-1169  
34 p.  
Seventh annual report for the year  
ended 31st March 1957

Information is incl. on water resources,  
land drainage, fisheries, & prevention  
of river pollution.

:wpa

F

Joseph, A.B. (1957) 59-1167  
U.S.Atom.Energ.Comm., Wash.-734, 18 p.  
United States' sea disposal  
operations. A summary to December 1956

The extent of disposal operations is  
reported, with a summary of the types  
of packaging used & of places where  
the wastes are dumped.

:wpa

M

Nene River Board (1957) 59-1170  
64 p.  
Fifth annual report, 1956-1957

Incl. information on water resources,  
land drainage, fisheries, & the  
prevention of river pollution.

:wpa

F



Hull & East Yorkshire 59-1171  
River Board (1957)  
28 p.  
Seventh annual report, 1956-1957

Incl. information on water resources,  
land drainage, fisheries, & prevention  
of river pollution.

:wpa

F

Chase, E.S. & 59-1174  
A.F. Ferullo (1957)  
J.New Engl.Wat.Wks Ass., 71:307-12  
Oxygen demand exerted by leaves  
stored under water

Describes laboratory experiments  
to determine the oxygen demand  
exerted by autumn leaves & pine  
needles when stored in water for long  
periods.

:wpa

F

Severn River Board (1957) 59-1172  
82 p.  
Seventh annual report, year ended  
31st March 1957

Incl. information on water resources,  
land drainage, fisheries, & the  
prevention of river pollution.

:wpa

F

Anonymous (1957) 59-1175  
Wat.Life, 12:208-9  
Some metals can cause fish losses

Factors which determine the ultimate  
toxicity level for fish in contaminated  
waters, are discussed. Discussion  
is confined to copper & zinc.

:wpa

F

Pooth, I.S. (1957) 59-1173  
Rep.Inst.Freshw.Res.Drottning., (38):  
247-66  
Achlya prolifera as sewage fungus in  
a stream of central Sweden

Describes an investigation into a mass  
development in 1956 in the river  
Hedströmmen in Vastmanland below a  
factory manufacturing wood fibre sheet.  
A detailed account of the morphology  
of the fungus is given.

:wpa

F

Fisher, C.K. (1957) 59-1176  
Adm.Rep.Inl.Fish.Calif., (57-15):13 p.  
The 1954-55 steelhead fishery on the  
Gualala river, Mendocino/Sonoma  
countries

A creel census regarding data on  
the magnitude & quality of the winter  
steelhead fishery of a typical medium-  
sized north coast steelhead river,  
Salmo gairdneri, in California.

WAD:ckf

F

Smith, D.B. & 59-1177  
 J.D. Eakins (1957)  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research, no. 63, 12 p.  
 Radioactive methods for labelling and  
 tracing sand and pebbles in  
 investigations of littoral drift

Description of a technique for surface  
 labelling sand & hard pebbles by  
 absorption of a layer of an element on  
 the sand followed by a baking process  
 to stabilize the material Barium 140  
 has been used.

FiB:tl

MF

59-1179  
 (Card 2)  
 the northern Mississippi valley of  
 the United States.



FiB:fb

MF

Miyake, Y. (1957) 59-1178  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research, no. 138, 4 p.  
 A study on the organic productivity and  
 the solubility product of  $\text{CaCO}_3$  in the  
 ocean by means of the radiocarbon  $\text{C}^{14}$

Studies of  $\text{C}^{14}$  uptake in Japanese  
 coastal waters & offshore off the Kii  
 peninsula. Comparison of  $\text{C}^{14}$  &  $\text{O}_2$   
 methods in laboratory & in the sea.  
 Determination of solubility product of  
 $\text{CaCO}_3$  & saturation values in surface  
 & deep waters.

FiB:tl

M

Baranov, V.I. & 59-1181  
 L.A. Kuzmina (1957)  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research, no. 222, 16 p.  
 Radiochemical analysis of deep-sea  
 sediments in connection with the  
 determination of the rate of sediment  
 accumulation

Determination of radioisotope content  
 of deep sea sediments from North  
 Pacific & Antarctic & computation of  
 rate of sedimentation by shifting of  
 radioactive equilibrium in the series  
 of uranium decay products at various  
 depths of the core.

FiB:tl

M

Begemann, F. & 19-1179  
 W.F. Libby (1957)  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research, no. 221, 20 p.  
 Continental water balance, ground water  
 inventory and storage times, surface  
 ocean mixing rates and world-wide water  
 circulation patterns from cosmic ray  
 and man-made tritium

The man-made tritium produced during  
 the Castle operation in the spring of  
 1954 has been used to study the  
 circulatory rates for waters in the  
 northern hemisphere, particularly in

Glover, C.R. (1957) 59-1182  
Penn. Angler, 26(9):2-4  
 Water supply reservoirs in Pennsylvania  
 open to fishing

First of a series, explains the  
 policy in the light of modernization  
 of water treatment facilities &  
 describes the position at  
 Letterkenny reservoir.

GLK:tjj

F

Glover, C.R. (1957) 59-1183  
Penn. Angler, 26(9):10-4  
Stream improvement

Describes a "conservation demonstration area" utilized at valley Forge, USA, for stream improvement devices: dams (check, rock, v-, straight & barrier) ; stone riprap, logcribbing & deflectors. Each is ill.

GLK:wad

F

Johnson, W.C. (1957) 59-1186  
Adm. Rep. Inl. Fish. Calif., (57-16):14 p.  
A progress report on the Russian river fish population study: 1954 - 1956

Presents seining data regarding the lower part of a coastal stream near San Francisco before & after chemical treatment & the whole stream after treatment. Indicates sp. ratio & fluctuations therein, makes recommendations for future work.

WAD:tjj

F

Pakistan. Central 59-1184  
Fisheries Department (1957)  
Karachi, 32 p.  
Preliminary report of the marine fisheries of East Pakistan

Their dietetic & economic importance; physiography, flora & fauna; present industry: organization, fishing grounds & seasons, fishing population, craft & gears; marketing, handling, processing, prices, capital investments; recommendations for government action; measures taken & contemplated.

FiB:sjh

MF

McCammon, G.W. (1957) 59-1187  
Adm. Rep. Inl. Fish. Calif., (57-7):14 p.  
Further observations on the food of fingerlings largemouth bass (Micropterus salmoides) in Clear lake, Lake county

Analysis of stomach content of 251 fish seined in August 1956 giving frequency, volume & number. Comparison with 1948 studies.

WAD:tjj

F

Jakobsson, J. (1957) 59-1185  
Aegir, (19):3 p.  
Um síldarloit Aegis og síldarvortíðina 1957

Note on general oceanographic surveys, & location & detection of Clupea harengus by RV AEGIR; analysis of plankton samples & their relation to herring distribution, & effect of temperature gradients on migrations.

FiB:sjh

M

Duarte-Bello, P.P. 59-1188  
& J.A. Suarez-Caabro (1957)  
Bol. Lab. biol. mar. Univ. Villanueva, (2): 3 p.

Chriodorus atherinoides nuevo reporte para la fauna ictiologica cubana (Chriodorus atherinoides, a new record for the Cuban ichthyological fauna)

Contains comparative morphometric measurements.

GLK:hr

M



Gilis, C. (1958) 59-1189  
Ostende, 33 p.  
La campagne harenguière 1957-58  
(The herring season 1957-58).  
Fr . De

Review of fishing operations in the North Sea, the Smalls Ditch & off Dunmore, with statistics; summary of biological studies - length, weight, sex, maturity stages, mesenteric fat, age, growth, vertebral counts, kooled scales, & stomach contents -, with tabulations of data from those studies.

GLK:glk

M

Alessandri, J. (1958) 59-1192  
Posca y Marina, 10(4):16-9  
Reflexiones sobre la extensión del mar Territorial (Reflections on the extension of the Territorial sea)

Discussion of technical & jurisdictional implications of recent developments in this field.

FAO:glk

M

Anonymous (1958) 59-1190  
Bol.Estud.espec., 10(117):189-97  
Algunas notas sobre la crianza de la carpa seleccionada de Israel  
(Some notes on growing selected carp from Israel)

Advantages of this strain, methods of cultivation handling the fish & construction & management of ponds.

FiB:glk

F

Wunder, W. (1957) 59-1193  
Allg.FischZtg., 82:3-4  
Die Sinnesorgane der Fische (The sense-organs of fish)

Popular review.

FAO:dr

MF

Anonymous (1958) 59-1191  
Pesca y Marina, 10(4):6-7, 14  
La pesca en America (Fisheries in America)

Notes on production marketing & other matters, in Colombia, Cuba, Dominican Republic, El Salvador, Mexico, Guatemala, Panama & Peru.

FAO:glk

M

Horzog, P. (1957) 59-1194  
Allg.FischZtg., 82:12-4  
Bauchwassersuchtforschung auf falschen Wegen? (Is ascites research on the wrong way?)

Critical review on the results obtained.

FAO:dr

F

Kuchor, W. (1957) 59-1195  
Allg.FischZtg., 82:26-7  
Der Fisch und die Fischerei im Leben  
der Völker (Fish and fisheries in  
men's life)

Brief description of the influence  
fish has on the history of  
civilization.

FAO:dr

MF

Wunder, W. (1957) 59-1198  
Allg.FischZtg., 82:51-3  
Die Sinnesorgane der Fische (The  
sense-organs of fish)

Continuation from 59-1197.

FAO:

MF

Bank, O. (1957) 59-1196  
Allg.FischZtg., 82:28-30  
Die Desinfektion von Teichen durch  
Verblasen von Branntkalk ist gelungen  
(The disinfection of ponds by means  
of blown quicklime has been successful)

Describes results obtained with  
a specially built blast apparatus for  
distribution.

FAO:dr

F

Kuchor, W. (1957) 59-1199  
Allg.FischZtg., 82:54-5  
Der Fisch und die Fischerei im Leben  
der Völker (Fish and fisheries in  
men's life)

Continuation from 59-1195.

FAO:

MF

Wunder, W. (1957) 59-1197  
Allg.FischZtg., 82:33-5  
Die Sinnesorgane der Fische (The  
sense-organs of fish)

Continuation from 59-1193.

FAO:

MF

Kuchor, W. (1957) 59-1200  
Allg.FischZtg., 82:92-3  
Der Fisch und die Fischerei im Leben  
der Völker (Fish and fisheries in  
men's life)

Continuation from 59-1199.

FAO:

MF

Wunder, W. (1957) 59-1201  
Allg.FischZtg., 82:94-6  
Die Sinnesorgane der Fische (The  
sense-organs of fish)

Continuation from 59-1198.

FAO: MF

Wunder, W. (1957) 59-1204  
Allg.FischZtg., 82:70  
Die Sinnesorgane der Fische (The  
sense-organs of fish)

Continuation from 59-1201.

FAO: MF

Tack, E. (1957) 59-1202  
Allg.FischZtg., 82:61-5  
Is die neu aufgetretene Forellen-  
krankheit ansteckend? (Is the new  
trout disease infectious?)

Reports critically on the "new"  
disease.

FAO:dr F

Kucher, W. (1957) 59-1205  
Allg.FischZtg., 82:74-5  
Der Fisch und die Fischerei im Leben  
der Völker (Fish and fisheries in  
man's life)

Continuation from 59-1200.

FAO: MF

Hofmann, (1957) 59-1203  
Allg.FischZtg., 82:69  
Welche Mittel haben wir um das Wachstum  
der Karpfen laufend überprüfen zu  
können? (What are the means we have  
for a continuous control of the carps'  
growth?)

Short description of a cast net.

FAO:dr F

Doufol, J. (1957) 59-1206  
Allg.FischZtg., 82:105-6  
Gewichtsvverluste bei Bodenseefischen  
nach Befall mit Bandwürmern und  
Möglichkeit zur Verminderung dieser  
Schäden (Loss of weight of fishes  
having been attacked by tapo-worms in  
Lake Constance and the possibility  
to minimize such injuries)

General indications.

FAO:dr F



Wunder, W. (1957) 59-1207  
Allg. FischZtg., 82:107  
 Die Sinnesorgane der Fische (The  
 sense-organs of fish)  
 Continuation from 59-1204.

Wunder, W. (1957) 59-1210  
Allg. FischZtg., 82:130-1  
 Die Sinnesorgane der Fische (The  
 sense-organs of fish)  
 Continuation from 59-1207.

FAO: MF

FAO MF

Schindler, O. (1957) 59-1208  
Allg.FischZtg., 82:111-4  
 Am Titicacasee (On the Titicaca  
 lake)  
 Popular report.

Kucher, W. (1957) 59-1211  
Allg.FischZtg., 82:131-3  
 Der Fisch und die Fischerei im Leben  
 der Völker (Fish and fisheries in  
 men's life)  
 Continuation from 59-1209.

FAO: dr F

FAO: MF

Kucher, W. (1957) 59-1209  
Allg.FischZtg., 82:116-7  
 Der Fisch und die Fischerei im Leben  
 der Völker (Fish and fisheries in  
 men's life)  
 Continuation from 59-1205.

Wunder, W. (1957) 59-1212  
Allg. FischZtg., 82:151-3  
 Die Sinnesorgane der Fische (The  
 sense-organs of fish)  
 Continuation from 59-1210.

FAO: MF

FAO: MF

Heuschmann, O. (1957) 59-1213  
Allg.FischZtg., 82:161-3  
 Einige Beobachtungen und Gedanken zur  
 Erkrankung der Forellen an Bauch-  
 wassersucht (Some observations and  
 remarks on ascites in trout)

Reviews the symptoms of ascites in  
 trout & carp.

FAO:dr

F

Wunder, W. (1957) 59-1216  
Allg.FischZtg., 82:208-10  
 Die Sinnesorgane der Fische (The  
 sense organs of fish)

Continuation from 59-1215.

FAO:

MF

Wunder, W. (1957) 59-1214  
Allg.FischZtg., 82:171-4  
 Die Sinnesorgane der Fische (The  
 sense-organs of fish)

Continuation from 59-1212.

FAO:

MF

Deufel, J. (1957) 59-1217  
Allg.FischZtg., 82:225-6  
 Ichthyophonoskrankheit bei Weissfischer  
 (Ichthyophonosis disease of cyprinoids)

Reports results of investigations  
 carried out on some cyprinoids caught  
 in a larger south Bavarian river.

FAO:dr

F

Wunder, W. (1957) 59-1215  
Allg.FischZtg., 82:193-4  
 Die Sinnesorgane der Fische (The  
 sense-organs of fish)

Continuation from 59-1214.

FAO:

MF

Wunder, W. (1957) 59-1218  
Allg.FischZtg., 82:230-2  
 Die Sinnesorgane der Fische (The  
 sense-organs of fish)

Continuation from 59-1216.

FAO:

MF

<p>Richter, W. (1957) 59-1219  <u>Allg.FischZtg.</u>, 82:234-6          Die Künstliche Vermehrung der Scherger (Acipenser stellatus) im Kuban          (The artificial reproduction of Sevriuga, <u>Acipenser stellatus</u> in the Kuban river)</p> <p>Describes the Russian method of hypophytation, insemination - artificial fertilization - &amp; breeding of Sevriuga.</p> <p>FAO:dr F</p>	<p>Hass, G. (1957) 59-1222  <u>Allg.FischZtg.</u>, 82:292-4          Die Bodenseefischerei im Jahre 1956 (Fisheries in the Lake Constance during 1956)</p> <p>Statistical review.</p> <p>FAO:dr F</p>
<p>Wunder, W. (1957) 59-1220  <u>Allg.FischZtg.</u>, 82:252-3          Die Sinnesorgane der Fische (The sense-organs of fish)</p> <p>Continuation of 59-1218.</p> <p>FAO: MF</p>	<p>von Brandt, A. (1957) 59-1223  <u>Allg.FischZtg.</u>, 82:301-5          Aalfang in Seen (Eel catching in lakes)</p> <p>Describes catching methods.</p> <p>FAO:dr F</p>
<p>Riedel, D. (1957) 59-1221  <u>Allg.FischZtg.</u>, 82:284-6          Die Bedeutung kleinster Fliesse für die Aufzucht von Forellensetzlingen (The importance of very small brooks for the rearing of trout fry)</p> <p>Describes successful rearing possibilities &amp; accounts the economical advantages with a view to restocking management.</p> <p>FAO:dr F</p>	<p>Morris, D. (1958) 59-1224  <u>Behaviour</u>, Suppl. 6: 1-54          The reproductive behaviour of the ten-spined stickleback (<u>Pygosteus pungitius</u> L.)</p>



Suzuki, K. & al. (1957) 59-1225  
Rep.nat.Inst.Nutr., Tokyo, 1957:31  
Manganese content of foods in Japan. I.

Figures are given for the Mn content of 27 varieties of edible fish, shell-fish, cuttlefish, etc. The highest contents of Mn were in the clam & other shell-fish.

:mda

M

McFarren, E.F. (1958) 59-1228  
J.Ass.off.agric.Chem., Wash., 41:168-77  
Chemical determination of paralytic shell-fish poison in clams

Account of procedure for determination of poison & development of an equation for calculating amount of poison present in an eluate containing variable amounts of interfering material.

:efa

M

Tamura, E. & al. (1957) 59-1226  
Rep.nat.Inst.Nutr., Tokyo, 1957:36-7  
Amino-acid contents in protein and extract of the edible portion of shell-fish

Figures are given for the contents of 12 amino-acids, determined by microbiological assay, in the protein of several varieties of shell-fish & also for the free amino-acids in extracts obtained with 80% ethanol.

:mda

M

France. Conseil Supérieur 59-1229  
de la Pêche (1958)  
Paris, 94 p.  
Bulletin officiel d'information no. 33  
(Informational bulletin no. 33)

Regular quarterly bulletin reporting the activities of the Council, incl. a report of the 1958 National Congress & minutes of the meeting of the Council in July 1958; technical notes (see 59-1230); official communications concerning such matters as pollution, policing, & control of fishing; jurisprudence; service conditions; miscellaneous.

FAO:glk

MF

Baba, H. (1957) 59-1227  
Rep.nat.Inst.Nutr., Tokyo, 1957:38  
Food chemical research on shell-fish.  
I. Turbid substances produced by heating with boiling water

The edible portion of shell-fish gives a turbid solution when heated with boiling water, not found with muscles of other animals. The turbidity is attributed to glycogen, mucoprotein-like substances, proteins, shell liquid, etc.

:mda

M

Vivier, P. (1958) 59-1230  
Bull.Inf.Cons.Peche, (33):47-54  
Le rôle de la recherche dans l'aménagement piscicole des eaux (The role of research in piscicultural management of waters)

Notes on prevention & control of pollution, preservation of fish communities, rational fishing & restocking, & acclimatisation.

FAO:glk

F

ICNAF (1958) 59-1231  
Halifax, N.S., Canada, 4 p.  
Newsletter no. 30

Contains current information about activities of ICNAF & its committees, publications, news of fishing operations in the N.W. Atlantic as known at date of issue, 15 December 1958.

FiB:sjh

M

De Jorio, F. (1959) 59-1234  
G.Pesca, 9(2):3

Prospettive per lo sfruttamento dei banchi dell'Africa Occidentale (Prospectives on the exploitation of the fishing grounds of West Africa)

SJH:

M

Wildlife Management Institute 59-1232  
& Sport Fishing Institute (1957)  
Washington, 93 p.  
Federal aid in fish and wildlife restoration - Annual report on Dingell-Johnson and Pittman-Robertson programs for the fiscal year ending 30 June 1957

Annual report dealing with fisheries investigations & development, acquisition of fishing areas, restoration activities. Summarizes apportionment of funds & types of projects.

WAD:sjh

F

IASH (1957) 59-1235

Louvain, Belgium, 61 p.

Bulletin no. 5

Contains notes & proposals from the Secretary, announcements & reports of meetings of the Union, affiliated societies & Unesco committees & articles, see 59-1236.

FiB:glk

F

Singapore. Ministry of 59-1233  
Commerce & Industry. Fisheries  
Division (1957)  
Singapore, 30 p.  
Report for the year 1956

General review of the industry; development; inventory of the industry; fresh fish supplies, prices, trade in dried salt fish & other products; costs of materials; administrative activities; tables of statistics of fishermen, craft, equipment & landings production of marine & pond-fish; prices, imports & exports. Appendix reports operation of loans fund.

GLK:sjh

MF

Hubbert, M.K. (1957) 59-1236  
Bull.Ass.int.Hydrol.sci., (5):23-59  
Darcy's law and the field equations of the flow of underground fluids

Re-examination of the work done by Darcy & analysis of the physical content of his law; derivation of his law from fundamental Navier-Stokes equation of the motion of viscous fluids & development, in at least their primitive forms, of the principal field equations of the flow of fluids through porous solids.

FiB:glk

F

IASH (1958)  
Louvain, Belgium, 35 p.  
Bulletin no. 9

59-1237

Contains notes & proposals from the Secretary, announcements & reports of meetings of the Union, affiliated societies & Unesco committees, & articles, see 59-1238 & 59-1239.

FiB:glk

F

Mathieu, Y. (1957) 59-1240  
Bull.Agric.Congo belge, 48(3):645-55  
Une saison de pêche au Ngola sur  
l'Uele à Sasi (A season of Ngola  
fishing at Sasi in the river Uele)

F

Belany, A.N. (1958) 59-1238  
Bull.Ass.int.Hydrol.sci., (9):14-21  
Principes fondamentaux de la théorie du  
mouvement des eaux souterraines  
(Fundamental principles of the theory  
of the movement of subterranean waters)

Formulae expressing the rate of water  
movement between various beds in terms  
of degree of permeability of the beds,  
their slope, & their filtration  
coefficients.

FiB:glk

F

Ecological Society of 59-1241  
America (1957)  
Bull.ecol.Soc.Amer., 38:36 p.  
Directory of members - 1957 &  
constitution and bylaws - 1955 revision

GLK:

MF

Taniguchi, T. (1958) 59-1239  
Bull.Ass.int.Hydrol.sci., (9):22-32  
Observation of sediment load in the  
river with tiltmeter (with the  
horizontal pendulum of Zöllner  
suspension)

Synopsis & principle of measurement,  
description of instruments, results of  
observations.

FiB:glk

F

Pacific Science 59-1242  
Association (1957)  
Inform.Bull.Pacif.Sci.Ass., 9(6):7 p.  
Ninth Pacific science congress

Report of the congress; participants,  
officers, list of previous meetings,  
titles of symposia, resolutions on  
oceanography & marine biology.

GLK.sjh

M



<p>Swift, E. (1957) 59-1243  <u>Washington, D.C.</u>, 38 p.  By which we live</p> <p>A series of short essays on the conservation of natural resources with specific reference to the USA.</p> <p>WAD:wad F</p>	<p>Allon, K.R. (1957) 59-1246  <u>Science N.Z.</u>, 12 p.  Freshwater fish</p> <p>List with economic importance of  a) indigenous fish: primitive, highly evolved &amp; widely distributed eels, &amp;  b) introduced forms: trout, perch, goldfish etc.</p> <p>FiB:tjj F</p>
<p>Riedel, D. (1957) 59-1244  <u>Wittenberg Lutherstadt</u>, 35 p.  Der Hering (The herring)</p> <p>Review of the life history of herring  <u>Clupea harengus</u>, its distribution, fishery &amp; economical importance.</p> <p>GLK:tl M</p>	<p>Elvin, R. (1957) 59-1247  <u>Boll.Posca</u>, 34(6):4-8  L'industria della posca in Norvegia (Fishery industry in Norway)</p> <p>Statistics of vessels, catches &amp; products.</p> <p>GLK:sjh M</p>
<p>Weber, M. (1957) 59-1245  <u>Ost.Wasserw.</u>, 9(7):164-5  Toxikologische Untersuchungen mit Wasserorganismen (Toxicological investigations on aquatic organisms)</p> <p>Data on highest permissible concentrations of different toxic substances with respect to fish.  Abstr. only.</p> <p>WAD:tl F</p>	<p>Anonymous (1957) 59-1248  <u>Boll.Posca</u>, 34(6):8  Il programma italiano per l'anno geofisico internazionale (Italian program for the IGY)</p> <p>Incl. notes on oceanographic studies being undertaken.</p> <p>GLK:sjh M</p>

Anonymous (1957) 59-1249  
Boll. Pesca, 34(6):9-13  
 Eccezioni ed aggiunte alle disposizioni  
 degli art. 13 e 16 del "regolamento  
 per la pesca fluviale e lacuale"  
 (Exceptions and addenda to the disposals  
 of art. 13 and 16 of: "fishing  
 regulation in rivers and lakes")

Detailed tables of closed seasons &  
 minimum legal sizes of various spp.  
 in each region.

GLK:sjh

F

Field, H. (Comp.)(1958) 59-1252  
Univ. of Miami Press, Florida, 275 p.  
 Bibliography on Southwestern Asia:V

Arranged by subjects, incl. numerous  
 references to aquatic organisms &  
 fisheries, especially to publications  
 dated January 1 - December 31, 1957,  
 but with some earlier titles. Author  
 index.

GLK:sjh

MF

Anonymous (1957) 59-1250  
Boll. Pesca, 34(6):14-6  
 La pesca italiana in cifre (Italian  
 fisheries in ciphres)

Statistics of catches (quantities &  
 values) & fishery operations for 1956,  
 by spp., areas, type of vessel, type  
 of product.

GLK:sjh

MF

Gideon, P.W. & al. (1957) 59-1253  
J. Bombay nat. Hist. Soc., 54:690-706  
 On the marine fauna of the Gulf of  
 Kutch: a preliminary survey

M

IHB (1958) 59-1251  
Int. hydr. Bull., (12):356-76  
 Bulletin for Decembre. En Fr

Contains notes on activities of the  
 Bureau & information on charts, sailing  
 directions, lights, tides & currents,  
 work carried out & projected & new  
 charts & new editions of charts.

FAO:glk

M

Gnanamuthu, C.P. (1957) 59-1254  
Parasitology, 47(1-2):119-25  
 Lernaeid copepods parasitic on  
 flying fish. India

M

Gupta, N.K. (1957) 59-1255  
Res.Bull.E.Punjab Univ., (113):327-35-  
On two new species of the genus  
Neodiplostomum Railliet, 1919, and  
discussion on the validity of Neodiplo-  
stomum rufeni Chatterji, 1942

F

Kott, P. (1957) 59-1258  
Sci.Rep.J.Murray Exp., 10(4):129-49  
The sessile Tunicata: 24 species from  
Red Sea, Gulf of Aden, southern  
Arabia

M

Hudson, R.G.S., F.L. James 59-1256  
& G.L. Wilkins (1957)  
Geol.Mag., 94(5):393-401  
The fauna of some recent marine  
deposits near Basrah, Iraq

M

Nair, N. Balakrishnan (1957) 59-1259  
J.Bombay nat.Hist.Soc., 54(2):344-57  
The ship-worms of South India with a  
note on the breeding season of Bankia  
indica Nair

M

Jaiswal, G.P. (1957) 59-1257  
Zool.Jb., 85(1-2):1-72  
Studies on the trematode parasites of  
fishes and birds found in Hyderabad  
State

F

Nogoty, H.F. (1957) 59-1260  
J.Parasit., 43(2):217-20  
Trematodes of fishes from the Red Sea:  
VIII, five species in the families  
Schistorchidore, Acauxthocolpidore,  
and Beterophyidore

M



Thomas, H.D. & S. Omara (1957) 59-1261  
Geol.Mag., 94(2):151-5  
The Cenomanian compound coral  
(Aspidiscus cristatus Lamarck):  
Nezzazat, western Sinai

M

Krishnaswamy, S. (1957) 59-1264  
J.Bombay nat.Hist.Soc., 54(3):793-5  
On the harpacticoid copepod  
(Phyllognathopus viguieri Maupas)

M

Chhapgar, B.F. (1957) 59-1262  
J.Bombay nat.Hist.Soc., 54(2):399-439  
On the marine crabs (Decapoda,  
Brachyura) of Bombay State: I.

M

Mathur, S.N. & 59-1265  
N. Sidhu (1957)  
J.Bombay nat.Hist.Soc., 54(4):961-2  
Occurrence of Apus in Pilani,  
Rajastjan: crustacea, Notostraca

M

Chhapgar, B.F. (1957) 59-1263  
J.Bombay nat.Hist.Soc., 54(3):503-49  
On the marine crabs (Decapoda,  
Brachyura) of Bombay State: II.

M

Rangnekar, Malati P. (1957) 59-1266  
J.Univ.Bombay, 25(41B)Pt. 5:16-22  
Caligus dasyaticus, sp. nov., and  
Caligus dussumieri, sp. nov.: copepoda  
parasitic on Bombay fishes

M

Malhotra, S.K. (1957) 59-1267  
Quart.J.micr.Sci., 98(1):65-77  
 Cytoplasmic inclusions of the neurones  
 of gastropods: India

MF

Anonymous (1958) 59-1270  
Interlanguage Dictionaries Publ. Co.,  
 New York, 113 p.  
 Russian-English glossary of  
 hydrobiology

Re-publication with additions of  
 Smirnov's English-Russian, Russian-  
 English hydrobiological dictionary.

FAO:glk

MF

Nair, N. Balakrishnan ; 59-1268  
 & O.N. Gurumani (1957)  
J.Bombay nat.Hist.Soc., 54(3):663-73  
 Timber-boring molluscs of the Indian  
 coast

M

Bohl, (1958) 59-1271  
Wiss.Informat.Fischereiprax., 5:140-4  
 Bericht über die zweite Teilfahrt des  
 FFS ANTON DOHRN in den Nordatlantischen  
 Ozean im Rahmen des Internationalen  
 Geophysikalischen Jahres 1958 (31.  
 Reise; 4.8.-27.9.1958) (Report of  
 the second part cruise of FFS ANTON  
 DOHRN in the North Atlantic ocean as  
 part of the IGY 1958 - 31 cruise 4.8.-  
 27.9.1958)

Staff, objectives of the cruise,  
 itinerary, observations completed.

FAO:glk

M

Natarajan, A.V. (1957) 59-1269  
Proc.Indian Acad.Sci., 46B(3):170-228  
 Studies on the egg masses and larval  
 development of some Prosobranchs from  
 the Gulf of Mannar and the Palk Bay:  
 northwest coast of Ceylon

M

Meyer, A. (1958) 59-1272  
Wiss.Informat.Fischereiprax., 5:144-5  
 Rotbarschsterben im Gebiet der Dohrn-  
 Bank! ? (Redfish mortality in the  
 vicinity of the Dohrn Bank! ?)

Note of observations made in August-  
 October & discussion of significance.

FAO:glk

M

Giraud, G. (1959) 59-1273  
C.R.Acad.Sci., Paris, 248:277-80  
 Sur les rapports entre le spectre  
 d'absorption et l'intensité photo-  
 synthétique de Rhodosorus marinus  
 Geitler (Rhodophycée) (On the  
 relations between the absorption  
 spectrum and the photosynthetic rate  
 in Rhodosorus marinus, Rhodophyceae)

Reports & study of the cultivated  
 plant.

FAO:sjh

M

Motais, R. (1959) 59-1276  
C.R.Acad.Sci., Paris, 248:311-2  
 Sur la croissance saisonnière d'un  
 téléostéen abyssal mesurée par  
 l'activité phosphatasique des écailles  
 (On the seasonal growth of an abyssal  
 teleost, measured by the phosphatase  
 activity of the scales)

A study of Trachyrinchus trachyrinchus  
Macruridae, caught at 800-1000 m off  
 Nice from 1955-58.

FAO:sjh

M

Bouligand, Y & 59-1274  
 G. Delamare-Deboutteville (1959)  
C.R.Acad.Sci., Paris, 248:286-8  
 Le dimorphisme sexuel de Linaresia  
mammillifera Zulueta 1908, copépode  
 parasite de l'octocoralliaire Muricea  
chamaeleon von Koch (Sexual  
 dimorphism of Linaresia mammillifera  
 Zulueta 1908, a parasitic copepod on  
 the octocorallian Muricea chamaeleon  
 von Koch)

An ill. descriptive note.

FAO:sjh

M

Barme, M. & 59-1277  
 J. Detrait (1959)  
C.R.Acad.Sci., Paris, 248:312-5  
 Etude de la composition des venins des  
Hydrophiidés (Study of the  
 composition of the venom of  
Hydrophiids)

Analysis of samples of neurotoxins  
 from the water-snakes Lapemis,  
Enhydrina & Hydrophis captured off  
 south Viet-Nam. Toxicity tests,  
 comparisons with terrestrial snakes;  
 dangers to fishermen.

FAO:sjh

M

Bassot, J.-M. (1959) 59-1275  
C.R.Acad.Sci., Paris, 248:297-9  
 Les structures annexes des organes  
 photogènes de Maurolicus pennanti  
 Walbaum (Téléostéen Maurolicides)  
 (The structures adjacent to the light-  
 organs of Maurolicus pennanti,  
 Maurolicid teleost)

Anatomical note, with hypothesis  
 regarding function.

FAO:sjh

M

Macan, T.T. (1958) 59-1278  
Hydrobiologia, 12:89-106  
 The temperature of a small stony  
 stream

Describes records obtained with a  
 thermograph in a small stream in  
 England over a 5-year period.

FAO:wad

F



Irénée-Mario, F. (1958) 59-1279  
Hydrobiologia, 12:107-14  
 Contribution à la connaissance des  
 Desmidiées du sud-est de la province de  
 Québec et de la Gaspésie  
 (Contribution to the knowledge of  
 Desmids south-east of the province  
 of Quebec and the Gaspé peninsula)

FAO:

F

Allanson, B.R. (1958) 59-1282  
Hydrobiologia, 12:149-80  
 On the systematics and distribution  
 of the molluscan genus Siphonaria in  
 South Africa

Describes the shores limpets of this  
 genus found from Port Nolloth to  
 Inhaca Island.

FAO:wad

M

Reynoldson, T.B. (1958) 59-1280  
Hydrobiologia, 12:129-41  
 Observations on the comparative ecology  
 of lake-dwelling triclads in southern  
 Sweden, Finland and northern Britain  
  
 Discusses in part the relationship  
 between lake productivity & the sp.  
 composition & abundance of tricladid  
 Turbellaria.

FAO:wad

F

Woodhead, N. & 59-1283  
 R.D. Tweed (1958)  
Hydrobiologia, 12:181-225  
 Freshwater algae of Sierra Leone. I.  
 New and unusual algae from the Sula  
 Hills

Presents diagnoses of new taxa &  
 discusses their systematic position.

FAO:wad

F

Fauré-Fremiot, E. (1958) 59-1281  
Hydrobiologia, 12:142-8  
 Matériel pour la récolte du micro-  
 plancton dans les mares et étangs  
 (Apparatus for collecting microplankton  
 from pools and ponds)

Describes: net handle; fine nylon net;  
 scoop (hand) net; small dredge,  
 hook; tongs for holding bottles.

FAO:wad

F

Thomasson, K. (1958) 59-1284  
Hydrobiologia, 12:226-36  
 Zur Planktonkunde Spitzborgens  
 (On the planktology of Spitzbergen)

Taxonomic lists of plankton spp. found  
 in various lakes on the islands; short  
 descriptions of these lakes & general  
 notes on arctic fresh water plankton.

FAO:tl

F

Starmach, K. (1958) 59-1285  
Polsk.Arch.Hydrobiol., 4(17):9-66  
 Hydrobiologiczne podstawy użytkowania  
 przez wodociągi wód płytkich zbiorników  
 rzecznych (Hydrobiological bases  
 of the water utilization by waterworks  
 from shallow dam reservoirs).  
 En Ru

Attempt at collecting & synthetically  
 elaborating some hydrobiological data  
 necessary for the estimation of the  
 fitness for domestic consumption of  
 water derived from dam reservoirs on  
 rivers, & especially for the  
 preparation of tap water.

FAO:ks

F

Szczepański, A. (1958) 59-1288  
Polsk.Arch.Hydrobiol., 4(17):153-62  
 Die schwebende Fauna des Krutynia-  
 Flusses (The floating fauna of the  
 Krutynia river)

Study of the taxonomic composition of  
 this fauna, the fluctuations in its  
 abundance, & its ecological (trophic)  
 significance.

FAO:glk

F

Stangenberg, M. (1958) 59-1286  
Polsk.Arch.Hydrobiol., 4(17):67-121  
 Skład chemiczny i bakteriologiczne  
 wskaźniki zanieczyszczenia wód rzeki  
 Niemna (The chemical composition  
 and the bacteriological contamination  
 of the Niemen river waters). En Ru

Account of physical & chemical  
 properties, nutritive salts, & organic  
 matter, bacteriological & other  
 contamination, ecological  
 characteristics.

FAO:glk

F

Bernatowicz, S. (1958) 59-1289  
Polsk.Arch.Hydrobiol., 4(17):163-81  
 Obserwacje nad rozwojem sielawy w  
 małych zbiornikach wodnych  
 (Observations on the development of  
 ablen, Coregonus albula L., in small  
 water bodies). En Ru

Observations on hatching, development  
 & growth in aquaria, ponds & a shallow  
 eutrophic lake, & consideration on  
 the usefulness of the sp. for  
 cultivation.

FAO:glk

F

Gieysztor, M. & 59-1287  
 Z. Odechowska (1958)  
Polsk.Arch.Hydrobiol., 4(17):123-52  
 Observations on the thermal and  
 chemical properties of Mazurian lakes  
 in the Giżycko region

Contents as per title.

FAO:glk

F

Kaj, J. (1958) 59-1290  
Polsk.Arch.Hydrobiol., 4(17):183-92  
 Przebieg tarła ryb w dolnym odcinku  
 rzeki Welny (Spawning of fish in  
 the lower stretch of the Welna river).  
 En Ru

Observations were conducted in 1955  
 on spring spawning of fish for the  
 purpose of determining the time of its  
 duration, & the correlation between  
 spawning intensity, & hydrological &  
 climatic factors on the following fish  
 spp.: Vimba vimba L., Leuciscus cephalus  
 L., Barbus barbus L., Chondrostoma  
nasus L., & Alburnus alburnus L.

FAO:jk

F

Dziekońska, J. (1958) 59-1291  
Polsk. Arch. Hydrobiol., 4(17):193-206  
 Badania nad wczesnymi stadiami  
 rozwojowymi ryb. II. Wpływ niektórych  
 warunków środowiska na rozwój  
 embrionalny leszcza (Abramis brama L.)  
 w Zalewie Wiślanym (Studies on  
 early development stages of fish. II.  
 The influence of some environment  
 conditions on the embryonic development  
 of bream, Abramis brama L., in the  
 Vistula delta). En Ru

Investigations of the influence which  
 can be exerted on the embryonic  
 development of this sp. by the most

59-1291  
 (Card 2)  
 variable factors in the delta: salinity,  
 temperature & frequent variations in  
 the water level, causing drying of  
 emerging bream eggs attached to plants  
 near the surface of the water.

FAO:jd

F

Musiał, L. & al. (1958) 59-1294  
Polsk. Arch. Hydrobiol., 4(17):221-50  
 Badania nad zanieczyszczeniem rzeki  
 Soły i jej zdolnością samooczyszczania  
 (Investigations on contamination of the  
 Soła river and its self purification  
 capabilities). En Ru

Physiographic & hydrological data, a  
 short characterisation of industrial  
 plants located in the Soła river basin,  
 results of field & laboratory  
 observations, physicochemical, hydro-  
 logical & bacteriological tests  
 presented descriptively in the form of  
 graphs & tables.

FAO:lm

F

Stangenberg, K. (1958) 59-1295  
Polsk. Arch. Hydrobiol., 4(17):251-75  
 Letni pokarm płoci (Rutilus rutilus L.)  
 z jeziora a-mezotroficznego i  
 dystroficznego (Summer food of  
 roach in a-mesotrophic and dystrophic  
 lakes). En Ru

Study of stomach contents of 168  
 individuals permitting comparisons  
 between age-groups, groups from lakes  
 of different types, & groups from  
 different zones of these lakes, with  
 regard to feeding habits.

FAO:glk

F

Zarnecki, S. (1958) 59-1293  
Polsk. Arch. Hydrobiol., 4(17):207-20  
 Poglądzie tarlaków pstręga z Wisły  
 Śląskiej z roku 1954 (Population of  
 Silesian Vistula trout spawners in  
 1954). En Ru

Investigations were conducted on the  
 age & rate of growth of the brown trout,  
Salmo trutta m. fario, population  
 spawning in October 1954 in the trout  
 region of the Silesian part of the  
 Vistula river.

FAO:sz

F

Gąsowska, M. (1958) 59-1296  
Polsk. Arch. Hydrobiol., 4(17):277-87  
 The morphology of hybrids and the ways  
 of inheriting parental features by  
 reciprocal hybrids: whitefish × small  
 whitefish (Coregonus lavaretus  
marconoides Poljakov × C. albula L.)

Description & discussion of external  
 features of the skull, & growth &  
 fertility.

FAO:glk

F



Stangenberg, M. (1958) 59-1297  
Polsk. Arch. Hydrobiol., 4(17):289-359  
 Ogólny pogląd na skład chemiczny wód  
 rzecznych Polski (A general outlook  
 on the chemical composition of river  
 waters in Poland). En Ru

Extensive tabulation, mapping & graphic  
 ill. of chemical composition of these  
 waters & of variations in the chief  
 characteristics.

FAO:glk

F

Nipkow, F. (1958) 59-1300  
Schweiz. Z. Hydrol., 22:186-94  
 Beobachtungen bei der Entwicklung des  
 Dauerstadiums von Brachionus calyciflorus  
 Pallas (Observations by the  
 development of the long lasting eggs of  
Brachionus calyciflorus Pallas)

Investigation of the factors, affecting  
 the development of overwintering eggs  
 of this rotifer.

FAO:tl

F

Christon, H.R. (1958) 59-1298  
Schweiz. Z. Hydrol., 22:141-76  
 Farblose Euglenalen aus dem Hypolimnion  
 des Hauserssees (Colourless Euglenales  
 from the hypolimnion of lake Hauserssee).  
 En

Characterisation of the hypolimnion  
 of the lake, list of observed spp.,  
 remarks on the genera & spp. & diagnoses  
 of new spp.

FAO:tl

F

Střpánok, M. & 59-1301  
 M. Votavová (1958)  
Schweiz. Z. Hydrol., 22:195-209  
 Ein Beitrag zur Biologie der Art  
Lagenocca ruttneri Bourrelly (A  
 contribution to the biology of the  
 species Lagenocca ruttneri Bourrelly)

Diurnal, seasonal & horizontal  
 distribution in the reservoir by  
 Sedlice, Czechoslovakia, during the  
 year 1955.

FAO:tl

F

Gobulić, S. & 59-1299  
 E. Marčenko (1958)  
Schweiz. Z. Hydrol., 22:177-85  
 Zur Morphologie und Taxonomie der  
 Desmidiaceengattung Oocardium (On  
 the morphology and taxonomy of the desmid  
 genus Oocardium).

Contents as per title.

FAO:

F

Skulberg, O.M. (1958) 59-1302  
Schweiz. Z. Hydrol., 22:210-7  
 Notiz über Didymium nigripes (Myxo-  
 mycetes) aus einer Abwasserbiozönose  
 (Note on Didymium nigripes,  
 Myxomycete, from a biocoenose of  
 polluted water)

Description of the biotope & biocoenose,  
 notes on investigations in culture &  
 diagnoses of systematics.

FAO:tl

F

Wuhrmann, K. & 59-1303  
 F. Zobrist (1958)  
Schweiz.Z.Hydrol., 22:218-54  
 Untersuchungen über die bakterizide  
 Wirkung von Silber in Wasser  
 (Investigations on the bactericidal  
 influence of silver in water)

Description of methods, influence of  
 various factors on the disinfecting  
 influence of silver & sensitivity of  
 different spp. of bacteria to silver.

FAO:t1

F

Runnström, H. (1958) 59-1306  
Svensk FiskTidskr., 67:165-8  
 Sjöregleringarna och fiskets utövande  
 (Regulation of lakes & fishing  
 operations)

Description of the influence of varying  
 water level & improperly cleaned  
 shores on the fishing operations in  
 regulated lakes.

FAO:t1

F

Ambühl, H. (1958) 59-1304  
Schweiz.Z.Hydrol., 22:341-59  
 Die praktische Anwendung der elektro-  
 chemischen Sauerstoffbestimmung im  
 Wasser (The practical use of  
 electro-chemical oxygen determination  
 in water analysis)

Tests of a continuous dissolved oxygen  
 measuring sounder "Oxytester" in lakes  
 & activated sludge basins.

FAO:t1

F

Puke, C. (1958) 59-1307  
Svensk FiskTidskr., 67:171-3  
 Medel att förhindra kvävning i insjöar  
 (Means of preventing suffocation in  
 lakes)

Results of a test to aerate frozen  
 lakes by blowing compressed air into  
 the water.

FAO:t1.

F

W.St. (1958) 59-1305  
Dansk FiskTid., 76:695  
 Norge har nu ydet 40 millioner kroner  
 som hjaelp til Indiens fiskeri  
 (Norway has now contributed 40 million  
 kroner as assistance for Indian  
 fisheries)

Review of the Norwegian aid program.

FAO:t1

M

Kars (1958) 59-1308  
Svensk FiskTidskr., 67:177-9  
 Utbyggnadsplanerna på Nordkalotten  
 (Plans for river projects in northern  
 Scandinavia)

Review of three different plans for  
 construction of hydroelectric power  
 plants in the drainage area between  
 Norway, Sweden & Finland & possible  
 damage to salmon fishery in this area.

FAO:t1

MF

<p>Carson, R.L. (1958)  <u>Paris</u>, 278 p.  Cette mer qui nous entoure  sea around us)</p>	<p>59-1309</p>	<p>Quennerstedt, N. (1958)  <u>Svensk FiskTidskr.</u>, 67:149-54  Vattenvegetation och sjöregleringar  Aquatic vegetation and regulation of  lakes)</p> <p>Zonation of aquatic vegetation in  lakes; influences of the variation of  water level on this zonation;  importance of aquatic vegetation to  fish &amp; fishery.</p>	<p>59-1312</p>
	M	FAO:tl.	F
<p>Boutière, H. (1958)  <u>Rabat</u>, 86 p.  Les scorpaenidés des eaux marocaines  (Scorpaenids in Moroccan waters)</p>	<p>59-1310</p>	<p>Ridgway, G.J., J.E. Cushing  &amp; G.L. Durall (1958)  <u>Spec.sci.Rep.U.S.Fish Wildl.Serv.</u>, (257)  9 p.  Serological differentiation of  population of sockeye salmon,  <u>Oncorhynchus nerka</u></p> <p>As part of a study applying serological  methods to the distinction of salmon  races, the normal serums of human  beings, domestic mammals, brown bull-  heads, <u>Ictalurus n. nebulosus</u>, &amp; other  salmon were tested for agglutinative  activity with the erythrocytes of  sockeye salmon.</p>	<p>59-1313</p>
	N	GLK:gjr	MF
<p>Le Bohec, P. &amp;  C. Pons (1958)  <u>Cannes</u>, 24 p.  Les marées (Tides)</p>	<p>59-1311</p>	<p>Scattergood, L.W. (1958)  <u>Spec.sci.Rep.U.S.Fish Wildl.Serv.</u>, (264)  33 p.  English translations of fishery  literature additional listings, 1958</p> <p>Contains references to 214 translated  articles, giving full bibliographic  information &amp; a subject index.</p>	<p>59-1314</p>
	M	GLK:sjh	MF



Longhurst, A.R. (1958) 59-1315  
N.Z.J.Sci., 1:487-99  
 Racial differences in size and growth  
 in the New Zealand snapper

Study of size distribution & growth  
 rates in samples of Chrysophrys  
 (=Pagrus?) auratus Forster. General  
 account of fishery; results of tagging.

FAO:sjh

M

Gordon, H.R.S. (1958) 59-1318  
Anim.Behav., 6:238-41  
 Synchronous claw-waving of fiddler  
 crabs

Account of ecological & behavioural  
 study of 5 spp. of Uca on Inhaca  
 Island, off Mozambique.

SJH:sjh

MF

Hirsch, A. (1958) 59-1316  
N.Z.J.Sci., 1:500-53  
 Biological evaluation of organic  
 pollution of New Zealand streams

Bottom faunas were studied with object  
 of devising biological criteria for  
 evaluating the extent & severity of  
 organic pollution. Pollution tolerance  
 of various organisms was determined.

FAO:ah

F

Collias, E. & 59-1319  
 E.C. Collias (1958)  
Anim.Behav., 6:246  
 Selective feeding by ducklings of  
 different species

Abstr. of paper presented at the  
 meeting of the Ecological Society of  
 America, held at the Dep. of Zoology,  
 Kansas State College, Manhattan, 26th  
 & 27th Aug., 1958. Feeding of 10 spp.  
 on daphnides, amphipods & other  
 invertebrates in a Manitoba marsh.

SJH:sjh

F

Johannesson, J.K. (1958) 59-1317  
N.Z.J.Sci., 1:554-69  
 A reconnaissance survey of pollution  
 in the Manawatu river

24 hr. survey of conditions in this  
 New Zealand river; counts of Escherichia  
coli; oxygen determinations.

FAO:sjh

F

Davenport, D. & 59-1320  
 K.S. Norris (1958)  
Anim.Behav., 6:248  
 Observations on the behaviour of the  
 pomacentrid fish Amphiprion percula,  
 commensal of the anemone Stoichactis

Abstr. of paper presented at the  
 meeting of the Ecological Society of  
 America, held at the Dep. of Zoology,  
 Kansas State College, Manhattan, 26th  
 & 27th Aug., 1958. Description of  
 process of association when newly  
 introduced in an aquarium.

SJH:sjh

M

Klopfer, F.D. (1958) 59-1321  
Anim.Behav., 6:248

The influence of social dominance on exploratory behaviour: a comparison of some fishes and arthropods

Abstr. of paper presented at the meeting of the Ecological Society of America, held at the Dep. of Zoology, Kansas State College, Manhattan, 26th & 27th Aug., 1958. Tank experiments with 6 spp., unnamed, of benthic marine fishes, & one freshwater, one terrestrial & one marine arthropod sp.

SJH:sjh

Anonymous (1959) 59-1324  
Mar.Obs., 29(133):30-1

Fish mortality in the Arabian Sea, 1957

7 reports on mass mortality of fish in the Arabian Sea in 1957; discussion of the quantities of fish killed & probable causes of the mortalities.

FAO:tl

M

Braddock, J.C. & 59-1322  
Z.I. Braddock (1958)

Anim.Behav., 6:249

Effects of isolation and social contact upon the development of aggressive behaviour in the Siamese fighting fish, Betta splendens

Abstr. of paper presented at the meeting of the Ecological Society of America, held at the Dep. of Zoology, Kansas State College, Manhattan, 26th & 27th Aug., 1958. Observations of 40 individuals in tanks over a period of 77 days.

SJH:sjh

F

Muscantino, L. & 59-1325  
C. Hand (1958)

Proc.nat.Acad.Sci., U.S., 44:1259-63

Direct evidence for the transfer of materials from symbiotic algae to the tissues of a coelenterate

Experiments in which the inter-tidal sea anemone Anthopleura elegantissima with symbiotic yellow-brown Zoöxanthellae, was placed in sea-water containing radioactive carbon dioxide.

FAO:sjh

M

Tavolga, W.N. (1958) 59-1323  
Anim.Behav., 6:253

Underwater communication in fishes

Abstr. of paper presented at the meeting of the Ecological Society of America, held at the Dep. of Zoology, Kansas State College, Manhattan, 26th & 27th Aug., 1958. Describes courtship sounds of male Blennidae & Gobiidae; response to recorded & imitated sounds.

SJH:sjh

M

Edwards, R.L. (1958) 59-1326  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (266)  
23 p.

Species composition of industrial trawl landings in New England, 1957

Presents data on the sp. composition of the industrial trawl fish catch landed at New England ports in 1957. Presented in the form of percent by weight & pounds landed for each of the principal fishing areas, by month & port, with appropriate summaries.

GLK:rlc

M

Grenoble, J. (1958) 59-1327  
Penn. Anglor, 27(8):2-5  
Why the fishery manager. II.

A popular note on the place of investigation, fertilization & other measures in lake management.

WAD:tjj

F

Japan. Meteorological 59-1330  
Agency (1958)  
Tokyo, 168 p.

The results of marine meteorological and oceanographical observations no. 21

Tabulated physical-chemical & biological data January-June, 1957, in N. Pacific.

FAO:tl

M

Gunston, D. (1958) 59-1328  
Penn. Anglor, 27(3):22-3  
How does a fish swim?

Popular article.

WAD:wad

MF

Braarud, T., B. Fjyn 59-1331  
& G.R. Haslo (1958)  
Hvalrød.Skr., (43):102 p.

The marine and fresh-water phytoplankton of the Dramsfjord and the adjacent part of the Oslofjord, March-December 1951

Notes on hydrography of the fjord. Taxonomic counts of the spp. found & description of the annual cycle of occurrence.

FAO:tl

MF

Forbos, T. (1958) 59-1329  
Penn. Anglor, 27(12):2-6  
Put 'Em back alive

Popular article describing results of experimental projects to improve trout fishing by allowing fish to be caught but not kept.

WAD:wad

Scholander, P.F. (1958) 59-1332  
Hvalrød.Skr., (44):24 p.  
Counter current exchange - A principle in biology

Summary on the counter current exchange in the swimbladder & gills of fishes, in the placenta; counter current heat exchange in mammals & birds & notes on renal function.

FAO:tl

G



Suter, M. (1957) 59-1333  
Civ.Engng, Easton, Pa, 27:488  
Fine screen designed for river water

Describes a screen used to remove leaves, grass, fish & debris from Illinois river water used to recharge ground water.

:wad

F

Anonymous (1958) 59-1336  
Chem.Engng News, 36(12):50-3, 80  
Needed: an extra 250 billion gallons of water a day by 1975

Discusses measures to prevent a water shortage in the USA, incl. experiments on methods for the demineralization of brackish & sea water, & methods for the conservation of fresh water supplies, such as the construction of dams to conserve run-off, chemical control of evaporation, & re-use of water by industry.

:wpa

MF

Dressler, R.G. & 59-1334  
A.G. Johanson (1958)  
Chem.Engng Progr., 54(1):66-9  
Water reservoir evaporation control

Discusses the use of monomolecular films & describes trials.

:wad

F

Sublette, J.H. (1957) 59-1337  
Amer.Midl.Nat., 57:371-402  
The ecology of the macroscopic bottom fauna in lake Texoma (Denison reservoir), Oklahoma and Texas

F

Berger, B.B. (1958) 59-1335  
Sthwest Wat.Wks J., 39(12):22, 26  
PHS studies on the use of hexadecanol in reservoir evaporation reduction

Describes laboratory studies carried out by the Public Health Service on the use of hexadecanol for reducing evaporation in reservoirs. Discusses the human toxicity potential of hexadecanol, its effect on fish, on water treatment processes & on recreational use of water & its resistance to biological attack.

:wpa

F

Hopkins, G.J. & 59-1338  
J.K. Neel (1958)  
Proc.Amer.Soc.civ.Engrs, 84, SA 1(1542)  
10 p.  
Water quality in the Missouri river

Describes the effects of impounding reservoirs on the turbidity, hardness & alkalinity, & growth of phytoplankton in the Missouri river from Williston, N. Dak., to Omaha, Neb. Sources of pollution, & measures being taken to reduce it are also discussed.

:wpa

F

Gunnerson, C.G. (1958) 59-1339  
Proc.Amer.Soc.civ.Engrs., 84, SA 1(1534).  
 28 p.  
 Sewage disposal in Santa Monica Bay,  
 California

Summarizes studies on the physical,  
 chemical, biological, & bacteriological  
 factors which are of importance in  
 Santa Monica Bay.

:wpa

M

Maloney, T.E. (1958) 59-1342  
J.Amer.Wat.Wks Ass., 50:416-22  
 Control of algae with chlorophenyl  
 dimethyl urea

Describes tests of CMU to determine  
 algicidal properties & its toxicity  
 to fish, other aquatic animals &  
 human beings.

:wad

F

Hodgson, H.J.N. (1958) 59-1340  
Good Hlth, Adelaide, (105):43-52  
 The use of ponds in the disposal of  
 liquid wastes

An ill. account is given of the use of  
 ponds or lagoons for the treatment of  
 sewage & trade waste waters. The use of  
 algae from ponds as animal food is also  
 mentioned.

:wpa

F

Anonymous (1957) 59-1343  
Industr.Engng Chem., 49(11):34A & 37A  
 Whipping it up

Describes experiments at some pulp  
 mills in Wisconsin, on the use of  
 hydroelectric turbines to aerate  
 streams polluted with sulphite  
 cellulose waste waters.

:wpa

F

Glamorgan River Board (1957) 59-1341  
 66 p.  
 Sixth annual report. 1956-1957

Contains information on water  
 resources, incl. rainfall & river flow,  
 characteristics of rivers & streams,  
 & abstraction of water; on land  
 drainage work; on fisheries; & on  
 prevention of river pollution.

:wpa

F

Pfirsch, R. (1959) 59-1344  
C.R.Acad.Sci., Paris, 248:450-2  
 Action des ultrasons sur le pouvoir  
 réducteur des cellules foliaires  
 d'Elodea: rôle des méats, rôle de la  
 fréquence ultrasonore (Action of  
 ultrasounds on the reducing capacity  
 of leaf cells of Elodea; the role of  
 intercellular spaces; the role of  
 ultrasonic frequency)

Contents as per title.

FAO:sjh

F

Couteaux, R. & 59-1345  
 T. Szabo (1959)  
C.R.Acad.Sci., Paris, 248:457-60  
 Siège de la jonction nerf-électroplaque  
 dans les organes électriques à électro-  
 plaques podiculées (Occurrence of  
 the nerve-electroplate junction in  
 electric organs with podiculate  
 electroplates)

Histological study of Mormyrid fishes  
 of genera Gnathonomus, Mormyrus &  
Petrocephalus, comparison with results  
 of studies of Torpedo, Raia & Gymnotus.

FAO:sjh

F

Boyco, E. (1958) 59-1348  
Wat. & Sewage Wks., 105:193-5  
 Water and other natural resources

Outlines some of the special problems  
 that must be considered in the  
 effective utilization of American  
 water resources & discusses the legal  
 aspects of these problems. Has a  
 bibliography of references.

:wpa

F

Leloup, J. (1959) 59-1346  
C.R.Acad.Sci., Paris, 248:463-6  
 Influence de la température sur le  
 fonctionnement thyroïdien de l'anguille  
 hypophysectomisée (Influence of  
 temperature on the thyroid function of  
 the hypophysectomised eel)

Reports experiments on Anguilla anguilla  
 from the Somme river & Aveyron river.

FAO:sjh

MF

Union Rheinische 59-1349  
 Braunkohlen Kraftstoff (1958)  
J.appl.Chem., Lond., 8:i-14  
 Aerating water

Describes a method for aerating water  
 in a lake or reservoir. Air under  
 pressure is passed through a perforated  
 ceramic body which is towed through  
 the water by a boat. Abstr. only.

:wpa

F

Fuhrman, R.E. (1958) 59-1347  
T.A.P.P.I., 41(4):214A-6A  
 Water resources and industrial  
 expansion

Discusses present & future water needs,  
 & the availability of water resources  
 in the USA, methods for augmenting  
 water supplies, incl. rain making,  
 the demineralization of sea water, &  
 reclamation of water from sewage & trade  
 waste waters.

:wpa

F

Badger, W.L. & 59-1350  
 R.A. Lindsay (1958)  
Industr.Engng Chem., 50:438-41  
 Evaporation

A review of recent publications &  
 theories.

:tl

MF



Thresh, J.C., J.F. Beale 59-1351  
& H.V. Suckling (1958)

Taylor, E.W.J. & A. Churchill Ltd.,  
London, 850 p.

The examination of waters and water  
supplies

The 7th edition is arranged in much  
the same way as earlier editions. New  
chapters are incl. on radioactivity in  
water supplies, on the bacteriological  
examination of water for reasons other  
than those related to pollution, & on  
contamination by polluted waters of  
foodstuffs usually eaten without cooking.  
The sections on river pollution & the

Mundic, J.H. (1957) 59-1354

Trans.R.ont.Soc.Lond., 109:149-232  
The ecology of Chironomidae in storage  
reservoirs

Results of a survey of chironomids in  
reservoirs of the London Metropolitan  
Water Board, to determine the  
qualitative & quantitative distribution  
of each sp., & their sequence of  
emergences, & to estimate the standing  
crop of larvae & the total annual  
crop of emerging adults from different  
depths in the reservoir. Distribution  
is discussed in relation to their  
feeding habits & respiratory

59-1351  
(Card 2)

work of river boards have been  
expanded, & new methods for chemical  
& bacteriological analyses are incl.

59-1354  
(Card 2)

requirements, & aspects of the  
productivity of chironomids are  
considered. The relation between  
chironomid type & lake type is  
reviewed. A brief account is incl. of  
other insects found in the reservoirs.

:wpa

F

:wpa

F

Rossi, L.A. (1957) 59-1353  
Rev.Obr.sanit.Nac., B.Airos, 39:85-90  
Notes on methods of estimation of  
plankton. II. Suggestions for the  
analysis of plankton in waters of high  
turbidity

After a discussion of the factors  
affecting the precision of methods of  
estimating plankton, with references to  
previous publications, the determination  
of plankton in water of high turbidity  
is discussed in detail, with reference  
to the analysis of water from the  
rivers Parana, Uruguay & la Plata & the  
use of the Sedgwick-Rafter coll.

:wpa

F

Riley, J.P. & 59-1356  
P. Sinhaseni (1958)

Analyst, 83:299-304  
The determination of copper in sea  
water, silicate rocks & biological  
materials

Contents as per title.

:tl

M

<p>Choudhury, S.H. (1957) 59-1357  <u>Agric.Pakist.</u>, 8:138-53  An invostigation of the Karnaphuli paper mill effluent and its detrimental effects on fish &amp; other aquatic life of the river</p> <p>Contents as per title.</p>	<p>Devon River Board (1957) 59-1360  20 p.  Annual report for the year ended 31st March, 1957</p> <p>Incl. information on water resources, land drainage, fisheries, &amp; prevention of river pollution.</p>
<p>:wad F</p> <p>McGoff, M.J. &amp; S.J. Rodgers (1957) 59-1358  <u>Tech.Rep.MSA Res.Corp., Callery, Penn., (59):22 p.</u>  Simulation of container venting under sea water</p> <p>The underwater discharge of steam &amp; air contaminated with radioactive materials from a reactor compartment was simulated by ejecting contaminated steam &amp; air from a 2-in. pipe submerged in a 10-ft column of synthotic sea water.</p>	<p>East Suffolk &amp; Norfolk River Board (1957) 59-1361  44 p.  Fifth annual report for the year ended 31st March, 1957</p> <p>Contains information on water resources, land drainage, fisheries, &amp; prevention of river pollution.</p>
<p>:wpa M</p> <p>Banff, Moray &amp; Nairn River Purification Board (1957) 59-1359  8 p.  Annual report for the year to 15th May, 1957</p> <p>Incl. information on water resources &amp; the prevention of pollution.</p>	<p>:wpa F</p> <p>Groat Ouse River Board (1957) 59-1362  28 p.  Annual report for the year ended 31st March, 1957</p> <p>Incl. information on water resources, land drainage, fisheries &amp; prevention of river pollution.</p>
<p>:wpa F</p>	<p>:wpa F</p>

Thames Conservancy (1958) 59-1363  
26 p.  
Report as to the activities of the conservators during 1957

Incl. information on maintenance & constructional work, navigation & regulation of water, rainfall & flow of the river, river purification & land drainage.

:wpa

F

Witzel, G. (1958) 59-1366  
Wasserwirtschaft, Stuttgart, 48:81-2  
Compensation from foreigners for damage by pollution of boundary waters

Discusses the need for international legislation for the protection of boundary waters or waters flowing from one country to another.

:wpa

F

Wilson, G.A. , F.H. Allen 59-1364  
& N.D.E. Stephens (1957)  
19th Congr.perm.int.Ass.Navig.Congr.,  
S.II-C.3:28 p.  
The conservancy of the river Thames

Incl. historical account of the development of pollution in the Thames estuary & describes the studies carried out since 1949 by the Hydraulics Research Station & the Water Pollution Research Laboratory on the control of silting & pollution in the estuary.

:wpa

MF

Kaplovsky, A.J. (1957) 59-1367  
Sewage industr.Wastes, 29:1042-53  
Estuarine pollution investigation employing "same-slack" technique

Summarizes the results of a survey of the lower Delaware river in 1956.

:wpa

MF

Wurtz, A. (1958) 59-1365  
Ost.Wasserv., 10:27-30  
Protection of surface waters in France

Gives an account of the organization of fishing rights in France & then discusses the present condition of legislation affecting pollution of streams, the application of the law to cases of damage to fishing rights, & the duties & powers of the bodies & associations concerned.

:wpa

F

Vliet, R.V. (1957) 59-1368  
Am. Soc. mech. Engrs Pap., (57-PWR-4):  
10 p.  
Effect of heated condenser discharge water upon aquatic life

Summary of 2 progress reports on investigations of the Delaware river incl. tests on tolerance of organisms.

:wad

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Stammer, H.A. (1958) 59-1369  
Papier, Darmstadt, 12:41-4  
Toxicity towards fish shown by various  
slime-controlling agents used in the  
paper and pulp industry

The toxicities to rainbow trout, Salmo  
gairdneri, yearlings of 7 different  
commercial chemicals used for  
controlling slime in the pulp & paper  
industry were investigated.

:wpa

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Jones, J.R.E. (1958) 59-1372  
J.Anim.Ecol., 27:1-14  
A further study of the zinc-polluted  
river Ystwyth

A survey of a river with a history of  
lead & zinc-pollution & effect on  
aquatic organisms.

:wad

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Hoffman, R.A. (1957) 59-1370  
Mosquito News, 17:213  
Toxicity of three phosphorus  
insecticides to cold water game fish

In tests to determine whether effluents  
from drainage systems where fly control  
methods had been used would be  
dangerous to fish, 3 phosphorus  
compounds were tested: parathion,  
phosdrin & diptorex.

:wpa

F

Fitzgerald, G.P. (1957) 59-1373  
Trans.Wis.Acad.Sci.Arts Lett., 46:  
281-94  
The control of the growth of algae  
with CMU

Describes toxicity tests of  
3-(p-chlorophenyl)-1, 1-dimethylurea  
& other chemicals with algae, higher  
plants & fish.

:wad

F

Holluta, J. (1958) 59-1371  
Monatsbull.schweiz.Ver.Gas- u.Wasser-  
fachm., 38:102-7, 127-33  
Radioactivity and the distribution of  
water from lake Constance

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Lodge, M. & 59-1374  
P.C.G. Isaac (1958)  
Bull.Univ.Durham King's Coll., Dep.civ.  
Engng, (12):13  
Control of algae in a reservoir

Examinations to determine the nature  
& the amount of algae present, &  
screening tests with various  
algicides were carried out.

:wpa

F

WHO (1958) 59-1375  
H.M. Stationery Off., London, 152 p.  
International standards for drinking  
water

Based on reports of regional groups  
set up by WHO to consider all problems  
related to standards of water quality.  
Contains the minimum standards for the  
quality of public water supplies for  
domestic use, dealing with bacterio-  
logical, chemical, physical, biological  
& radiological requirements. Appendices  
contain procedure for approved methods  
for the bacteriological, chemical &  
biological analysis of water.

FAO:wpa

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Silver, R.S. (1958) 59-1378  
Engineering, Lond., 185:530-1  
The sea can meet the world's increasing  
water demand

The new Multiflash evaporating plant  
for the production of fresh water from  
sea water, developed by G. & J. Weir  
Ltd., is described & a flow diagram is  
given.

:wpa

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Krul, W.F.J.M. (1957) 59-1376  
Bull.Wld Hlth Org., 16:707-25  
Sanitary engineering and water economy  
in Europe

A review incl. a discussion of  
international action.

FAO:wad

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Schiemonz, F. (1957) 59-1379  
Wass. u. Boden, 9:208-15  
The special importance of aquatic  
plants for fisheries and stream  
maintenance in small flowing waters

Contents as per title.

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Taylor, E.F. (1958) 59-1377  
J.Amer.Wat.Wks Ass., 50:741-68  
Recent developments in water works law  
& litigation

Reviews US legislation concerning water  
rights, supply & distribution,  
fluoridation, conservation, & control  
of pollution, & cites recent major  
lawsuits over water rights.

:wpa

F

Nümann, W. (1957) 59-1380  
Arch.FischWiss., 8:204-9  
Natural and artificial "red water"  
with consequent death of fish in the sea

Describes the investigations of 2  
occurrences of red tide, accompanied by  
death of fish, one in the Bay of  
Luanda, Portuguese West Africa, & the  
other in the Bay of Izmir, Smyrna.

FAO:wpa

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Rao, K.P. (1958) 59-1381  
J.exp.Biol., 35:307-13.  
Oxygen consumption as a function of  
size and salinity in Metaponaus  
monoceros Fab. from marine and brackish  
water environments

A study of the oxygen consumption of  
marine & brackish-water populations of  
the prawn, M. monoceros, in relation to  
the salinity of the medium.

FAO:wpa

MF

Drew, H.R. (1958) 59-1384  
Stwest Wat.Wks J., 40(2):36, 46  
Evaporation control research in Texas

Outlines recent research carried out to  
control evaporation of water supplies  
in Texas by means of surface films &  
reviews previous work on the subject.  
The biological effects of a thin film  
of retardant on fish & on humans are  
discussed.

:wpa

F

Edwards, R.W. (1958) 59-1382  
J.exp.Biol., 35:383-95  
The relation of oxygen consumption to  
body size and to temperature in the  
larvae of Chironomus riparius Meigen

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Anonymous (1958) 59-1385  
Chem.Engng News, 36(26):44-5  
Film protects climate's prey

Describes a method for maintaining a  
continuous monomolecular film on the  
surface of reservoirs to reduce  
evaporation.

:wad

F

Hancy, P.D. & 59-1383  
J. Schmidt (1958)  
Sewage industr.Wastes, 30:812-20  
Representative sampling and analytical  
methods in stream studies

Reviews factors to be considered in  
planning a sampling programme in  
connection with stream surveys, &  
methods of analysis. A bibliography of  
27 references is appended.

:wpa

F

Vesolý, V. & 59-1386  
J. Nápravník (1957)  
Jaderná Energie, 3:406-9  
Measurement of very low activities in  
water

A method is described for the  
determination of low amounts ( $10^{-7}$  c  
per ml) of - & -activities in water  
by absorption of the active ions on  
a cation-exchange column.

:wpa

MF



U.S. Foderation of Sowago 59-1387  
& Industrial Wastos Associations (1958)  
Sowago industr.Wastos, 30:601-33, 717-56,  
839-73

A review of the literaturo of 1957 on  
sowago, wasto treatment, and water  
pollution

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Bandt, H.J. (1957) 59-1390  
Dtsch.FischZtg., 4:170-1  
Toxic or non-toxic to fish?

Describes the results of practical  
experionce & experimonts on the  
toxicity of substancos to fish.

FAO:wpa

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Lawranco, C.H. (1958) 59-1388  
Wat. & Sowago Wks, 105:116-22  
Sowago effluent dilution in sea water

Oceanographic & marine biological  
investigations in the vicinity of  
ocean outfalls of sowago in the  
vicinity of Los Angeles, California.  
The dilution is considered in 2 phases:  
a) initial dilution & b) dilution by  
movomont of water masses.

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Battan, L.J. (1958) 59-1391  
Tellus, 10:466-71  
Influence of the environment on the  
initiation of precipitation in  
tropical cumuli over the ocean

Investigation of the influence of  
stability, vortical wind shoar &  
dopth of the moist layor on the  
initiation of precipitation in  
vicinity of Puerto Rico.

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Adlung, K.G. (1957) 59-1389  
Naturwissenschaften, 44:471-2  
The toxicity of insecticidal and  
acaricidal agents to fish

A table is given of the results of  
experimonts on the toxicity of a number  
of insecticidal & disinfectant  
compounds to the fish Lobistes  
reticulatus.

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Mellor, M. (1958) 59-1392  
Tellus, 10:498-  
/Letter to the oditor/

Letter referring to 59-1393 &  
discussing the ice evaporation & frost  
deposition in Antarctic.

FAO:tl

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Wexler, H. (1958)

59-1393

Tollus, 10:499

[Letter to the editor]

Reply to 59-1392.

FAO:sjh

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Nesis, K.N. (1958)

59-1396

C.R.Acad.Sci.U.R.S.S., 122:1011-3

Faroro-Islandskii porog kak  
zoogeograficheskaya granitsa dlia  
donoj fauny (The Faroo-Island  
threshold as a zoogeographical  
barrier for bottom fauna)

FAO:

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Koon, A.M. (1958?)

59-1394

Stanford Univ. Press

Sea shells of tropical West America

Descriptions of 1,650 spp., 3,000 ill.,  
10 pages in full colour.

:sjh

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Savilov, A.I. (1958)

59-1397

C.R.Acad.Sci.U.R.S.S., 122:1014-7

Pleistoi zapadnoi chasti tikhogo  
okcana (Pleistocene in the western  
part of the Pacific)

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Redfield, A.C. (1958)

59-1395

Amor.Scient., 46:205-21

The biological control of chemical  
factors in the environment

Essay discussion of the relations  
between the statistical proportion in  
which certain elements enter into the  
biochemical cycle in the sea, & their  
relative availability in the water.

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Sorokin, Iu.I. &

59-1398

O.I. Koblenz-Mishko (1958)

C.R.Acad.Sci.U.R.S.S., 122:1018-20

Perovichnaia produktsiia iaponskogo  
moria i chasti tikhogo okcana,  
priletaiushchii k Japonii, vosen  
1957 g. (Primary production in the  
Japan sea and the Pacific near Japan  
in spring 1957)

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<p>Petrenko, I.N. &amp; A.A. Karasikova (1958)  <u>C.R.Acad.Sci.U.R.S.S.</u>, 122:1071-2  Aminokislrotnyi sostav belkov v protsesse sozrevaniia polovykh produktov u salaki rizhskogo zaliva  (The amino acid composition of proteins in the process of sex-products ripening in the <u>Clupea harengus</u> membras of the Riga-bay)</p> <p>FAO: M</p>	<p>Washington (State) Department of Fisheries (1958?)  59-1399 59-1402  142 p.  67th annual report for the year 1957</p> <p>Reports briefly on research; power dam studies; sport salmon fisheries, hatcheries, egg take &amp; fish planting; marine farming &amp; stream improvement; Columbia river program; enforcement; fisheries news log; state oyster reserves; summary of 1957 regulations; appropriations &amp; expenditures. Fisheries statistical report on landings, fishway counts, licences, etc.</p> <p>WAD:wad MF</p>
<p>Irikhimovich, A.I. &amp; M.P. Statova (1958)  <u>C.R.Acad.Sci.U.R.S.S.</u>, 122:1126-8  Sravnitel'no-morfologicheskoe issledovanie razvitiia gipofiza kostistyykh ryb (A comparative-morphological investigation of the development of the pituitary gland in teleostei)</p> <p>FAO: M</p>	<p>Živko, B. (1957)  Izdaniya, Skopje, 2:33-57  Khemiski sostav i kalorichna stojnost na ekonomski najvazhnite vidovi ribi od Dojranskoto ozero (Chemical composition &amp; caloric value of economically important fish spp. of the Dojran lake). De</p> <p>Results of chemical analysis of <u>Cyprinus carpio</u>, <u>Alburnus albidus macedonicus</u>, <u>Perca fluviatilis macedonica</u> &amp; <u>Leuciscus pigus dojranensis</u>.</p> <p>FAO:tl F</p>
<p>Croghan, P.C. (1959)  <u>New Scient.</u>, 5:135-7  The colonisation of fresh water</p> <p>Review article on osmoregulation, with reference to <u>Mesidotea entomon</u>, <u>Anodonta</u>, <u>Eriocheir sinensis</u>; consideration of evolutionary migration of animals from the seas to fresh-waters.</p> <p>FAO:sjh MF</p>	<p>Banarescu, P. (1958)  Izdaniya, Skopje, 2:59-78  Die rassiale Zugehörigkeit einiger Rumänischen Süßwasser-Fischarten (Racial relationship of some Rumanian fresh-water fish species). Ru</p> <p>Investigations on racial characteristics of <u>Alburnoides bipunctatus</u>, <u>Barbus meridionalis</u> &amp; <u>B. barbus</u>, collected from various river basins in Rumania.</p> <p>FAO:tl F</p>



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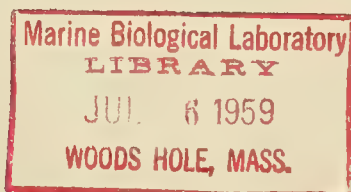
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## CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

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Biology Branch, Fisheries Division



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Curr. Bibliogr. aquat. Sci. Fish., 2(3)      Rome, March 1959

containing: taxonomic index 2(2), geographic index 2(2), references  
and author index to, 59-1405 - 59-2484

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[2.1(2)]



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## Errata

59-1203: please correct annotations:

Notes on method of continuous observation on growth, with a short description of cast net used for this purpose.

581666	<u>Muroena</u>	should read	<u>Muraena</u>
"	<u>Scorpoena</u>	" "	<u>Scorpaena</u>
59-0629	valeen	" "	baleen
59-0665	<u>Chelone</u>	" "	<u>Chelonia</u>
59-0690	groper	" "	grouper
59-0792	Reviews &	" "	Reviews
59-0887	other	" "	otter
59-0918	gone	" "	zone
59-0931	<u>Pragmites</u>	" "	<u>Phragmites</u>
59-0940	<u>Anobas</u>	" "	<u>Anabas</u>
59-0941	pound	" "	pond
59-0942	<u>erythraeum</u>	" "	<u>erythraeum</u>
59-0969	<u>Argulus</u>	" "	<u>Argulus</u>
59-0969	argulus	" "	<u>Argulus</u>
59-0990	Peneidae	" "	Penaeidae
59-1040	Parazoa (Porifera	" "	Parazoa, Porifera
59-1045	Esecutive	" "	Executive
59-1217	Ichthyophonous	" "	<u>Ichthyophonous</u>
59-1246	midely	" "	widely

582780 Mousinho Figueiredo, J. Should read Figueiredo, J. Mousinho

Please correct accordingly annual alphabetic index.





Addenda

Rodina, A.G. (1957) 580712  
Zool.Zh., 36:337-43  
Vozmnozhnost' ispol'zovaniia metoda  
mechenyk atomov dlia resheniia voprosa  
o vybornosti pishchi u vodnykh  
zhivotnykh (The possibility of  
using the radioactive tracer method  
for the solution of the food selection  
problem in aquatic animals)

Methods & results of feeding bacteria  
cultured on media containing P<sup>32</sup> to  
spp. of Daphnia, Planorbis, Bithynia,  
Limnaea, Coretus, Bulinus, Tendipes &  
Procladius larvae, & enchytraeid worms.  
FAO:sjh F

Jakobsson, J. (1957) 59-1185  
Aegir, (19):3 p.  
Um síldarleit AEGIR og síldarvertíðina  
1957 (On the herring searching by  
AEGIR and herring seasons)

Note on general oceanographic surveys,  
& location & detection of Clupea  
harengus by RV AEGIR; analysis of  
plankton samples & their relation to  
herring distribution, & effect of  
temperature gradients on migrations.

FiB:sjh

M

Schultz, L.P. (1958) 59-0398  
Bull.U.S.nat.Mus., (214):143 p.  
Review of the parrotfishes, family  
Scaridae

An ill. review with keys to genera &  
spp. & description of characteristics  
of the latter.

HR:hr

M



## Explanatory Notes

### Authors names

1. Pseudonyms Indexed under initial letter; name in single quotes.
2. Initials (See e.g. signatures of reviews in J.Cons.int.Explor.Mer)  
Indexed in strict alphabetic order of letters as they are printed, i.e. without reversing order in an attempt to put the surname initial first. Thus: Smith  
S.N.P.  
Sykes  
In annual indexes they will be entered under the author's true name if it is known, with cross-references to the initials or pseudonyms.
3. Anonymous (i.e. unsigned or signed "Anon", including editorial comment.)  
Indexed under Anon at end of alphabet.
4. Corporate authorship Indexed under name of organization etc. or its recognized initials. In the latter case initials precede proper names beginning with the same first letter, but are themselves arranged in strict alphabetic order.  
Thus: ICES  
ICNAF  
Iacoacci  
Ibsen

A check list of the common abbreviations follows, with an index to the names of the organizations they stand for.



AAAS	American Association for the Advancement of Science
AGI	see IGY
AIHS	see IASH
AIM	see IAM
AIOP	see IAPO
CC	Caribbean Commission
CCOFI	California Cooperation Oceanic Fisheries Investigations
CCTA/CSA	Commission for Technical Cooperation in Africa South of the Sahara. Scientific Council for Africa South of the Sahara  Commission pour la Coopération technique en Afrique au Sud du Sahara. Conseil scientifique pour l'Afrique au Sud du Sahara
CGPM	see GFCM
CI-AAT	see I-ATTC
CIESMM	International Commission for the Scientific Exploration of the Mediterranean Sea  Commission internationale pour l'Exploration scientifique de la Mer Méditerranée
CIUS	see ICSU
CPCERMPS	Permanent Commission for the Conservation and Exploitation of the Maritime Resources of the South Pacific  Comisión permanente para la Conservación y Explotación de los Recursos maritimes del Pacifico Sud
CSAGI	Comité Spécial de l'Année géophysique internationale
EAFRO	East African Fisheries Research Organization
EAMFRO	East Africa Marine Fisheries Research Organization
ECAFE (UN)	Economic Commission for Asia and the Far East (UN)  Commission économique pour l'Asie et l'Extrême Orient

ECE (UN)	Economic Commission for Europe (UN) Commission économique pour l'Europe (UN) Comisión económica para Europa (UN)
FAO	Food and Agriculture Organization of the United Nations Organisation des Nations Unies pour l'Alimentation et l'Agriculture Organización de las Naciones Unidas para la Agricultura y la Alimentación
GCFI	Gulf and Caribbean Fisheries Institute
GFCM	General Fisheries Council for the Mediterranean Conseil général des Pêches pour la Méditerranée
GLFC	Great Lakes Fisheries Commission
IACOMS (UNESCO)	International Advisory Committee on Marine Sciences (UNESCO) Comité international consultatif des Sciences de la Mer
IAEA	International Atomic Energy Agency
IAL	International Association of Theoretical and Applied Limnology
IAM	International Association of Meteorology Association internationale de Météorologie
IAPO	International Association of Physical Oceanography Association internationale d'Océanographie physique
IASH	International Association of Scientific Hydrology Association internationale d'Hydrologie scientifique
I-ATTC	Inter-American Tropical Tuna Commission Comisión interamericana del Atún tropical
ICES	International Council for the Exploration of the Sea Conseil international pour l'Exploration de la Mer
ICNAF	International Commission for the Northwest Atlantic Fisheries Commission internationale des Pêches de l'Atlantique du Nord-Ouest

ICSU	International Council of Scientific Unions Conseil international des Unions scientifiques
IGU	International Geographical Union Union géographique internationale
IGY	International Geophysical Year Année géophysique internationale
IHB	International Hydrographic Bureau
INPFC	International North Pacific Fisheries Commission
IPFC	Indo-Pacific Fisheries Council Conseil Indo-Pacifique des Pêches
IPGH/OEA	Instituto Panamericano de Geografía y Historia. Organización de los Estados Americanos
IPHC	International Pacific Halibut Commission
IPSFC	International Pacific Salmon Fisheries Commission
ISO	International Standards Organization Organisation internationale de Normalisation
IUBS	International Union of Biological Sciences Union internationale des Sciences biologiques
IUCN	International Union for the Conservation of Nature and natural Resources Union internationale pour la Conservation de la Nature et des ses Ressources
IUGG	International Union of Geodesy and Geophysics Union géodésique et géophysique internationale
IWC	International Whaling Commission
CAA	see FAO
OAS	Organization of American States
OEA	Organización de los Estados Americanos
OMM	see VMO



OMS	see WHO
ORSOM	Office de la Recherche scientifique d'Outre Mer
PAIGH	Pan American Institute of Geography and History
PAIGH/OAS	Pan American Institute of Geography and History. Organization of American States
PCIFC	Permanent Commission of the International Fisheries Convention
POFI (USFWS)	Pacific Oceanic Fisheries Investigation (USFWS)
SASCO (UNESCO)	South Asia Science Co-operation Office (UNESCO)
SCOR (ICSU)	Special Committee on Oceanic Research (ICSU)
SPC	South Pacific Commission  Commission du Sud Pacifique
UGGI	see IUGG
UICN	see IUCN
UNESCO	United Nations Educational Scientific and Cultural Organization  Organisation des Nations Unies pour l'Education, la Science et la Culture  Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura Организация Объединенных Наций по Вопросам Образования, Науки и Культуры (Organisatsiia Ob'edinennykh Natsii po Voprosam Obrasovannia, Nauki i Kul'tury)
UISB	see IUBS
USFWS	United States Fish and Wildlife Service
Vniro	Всесоюзный Научно-исследовательский Институт Морского Рыбного Хозяйства и Океанографии - ВНИРО (Vsesoiuznyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khoziaistva i Okeanografii)
WGO	Working Groups of Oceanography (of CSAGI)

WHO

World Health Organization

Organisation mondiale de la Santé

Organización Mundial de la Salud

WMO

World Meteorological Organization

Organisation météorologique mondiale

## Vacancy announcements

We have been asked by the Australian Embassy in Rome to publicize two posts for fisheries biologists in Papua and New Guinea. We therefore reproduce below the announcements of the vacancies and suggest that the recipients of this bibliography may draw the attention of colleagues who might be interested in applying for one or other of them. Please do not communicate with FAO but directly with the Australian Authorities mentioned below.

### BIOLOGIST (POND CULTURE)

£A1,706-1,886 p.a.  
£A1,931-2,096 p.a.  
(classification and salary according to qualifications and experience.)

#### Qualifications:

University degree specialising in Zoology or Botany; experience pond culture of fish.

#### Duties:

Plan and develop pond culture and fresh and brackish water fisheries in Territory; marine fisheries work if required.

### TECHNICAL OFFICER (POND CULTURE)

£A1,421-1,531 p.a.  
£A1,531-1,621 p.a.  
(classification and salary according to qualifications and experience)

#### Qualifications:

Experience in construction, maintenance, operation fresh and brackish water tropical fish ponds, with particular reference commercial fish production; knowledge construction, maintenance solar salt ponds and salt production desirable.

#### Duties:

Construct, maintain and operate fish ponds in Territory; investigate and develop solar salt production; develop fresh water fishing methods; train native assistants.

## General Information

#### Salary:

Rates quoted are actual (single) and include allowances. Married officers receive a further £A125 p.a.

#### Appointments:

Biologist - permanent or period engagement. Technical Officer - 3 years in first instance.



Location:

Appointees are required to serve anywhere in the Territory.

Leave:

Three months after each 21 months in Territory. Additional 3 months' leave after each 6 years' service and 6 months' furlough after 20 years' service.

Taxation:

Income derived by residents of Territory from sources within Territory is not at present taxable under Commonwealth legislation.

Further Information and a handbook on the Territory and its Public Service may be obtained from the Department of Territories, Canberra, Australia, or the Commonwealth Public Service Board Representative, Australia House, The Strand, London, U.K.

Applications:

Submit on prescribed form available from above offices to The Secretary, Department of Territories, Canberra, Australia.

## Forward References

Check list, 59-1405 - 59-2484

59-1628	to	59-1627
59-1631	to	59-1630
59-1637	to	585797
59-1638	to	584520
59-1821	to	59-1820
59-2018	to	59-2017
59-2174	to	59-2173
59-2201	to	581057





1,00	FISHES, GEN.	0583	0714	0717
		0723	0729	0737
		0754	0757	0794
		0958	0992	1024
		1043	1053	1053
		1069	1073	1089
		1113	1129	1149
		1184	1185	1193
		1198	1201	1204
		1210	1212	1214
		1216	1218	1220
		1253	1256	1284
		1312	1328	1353
1,02	Petromyzon		0857	0920
1,05	HEXANCHIFORMES	1039	1072	1161
1,06	LAMNIFORMES		1070	1161
1,07	LAMNOIDEI		1039	
1,08	CARCHARHINIDAE		0679	
	Galeorhinus		0569	
	SCYLIORHINOIDEI		1039	
	Scyliorhinus		58-1666	
	Scyllium		58-1666	
1,09	SQUALIFORMES	1039	1072	1161
	Squalus		1051	
1,10	MOBULIDAE		1159	
	Raja		0988	1345
1,11	Torpedo		1345	
1,14	Protopterus		1041	1150
1,17	Acipenser	1009	1055	1219
	ACIPENSERIDAE		0628	
1,21	Clupea harengus	0678	0708	0709
		0889	1049	1185
		1244	1399	
	Clupea pallasii		0832	
	Clupea sp.		0998	
	CLUPEIDAE		0758	
	Engraulis encrasicolus		0627	
	Hilsa		0754	
	Sardina	0603	0615	0843
		0888	0955	0964
		0995	1000	0973
	Sardinella		0992	
	Sardinops caerulea		0797	0798
	Sardinops melanosticta		0764	
	Sardinops ocellata		0846	0884
	Tarpon		1075	

1,22	Chanos			0753
1,23	Coregonus	0638	0805	1239
		1296		
	Hypomesus			0748
	Leucichthys		0805	0859
	Oncorhynchus, gen.		0868	0908
		1141		
	Oncorhynchus gorbusha			0592
		1147		
	Oncorhynchus keta			0906
	Oncorhynchus kisutch	0849		0895
	Oncorhynchus nerka	0592		0695
		0829	1147	1313
	Oncorhynchus tshawytscha			0154
		0155	0902	
	Salmo gairdnerii		0745	0892
		0908	0957	1134
		1369		
	Salmo salar	0896	1050	1141
		1308		
	Salmo trutta	0480	0612	0835
		0901	0975	1134
		1213	1221	1293
	Salmo sp.	0674	1055	1056
	Salmo hy.			1134
	SALMONIDAE	0604	0636	0651
		0652	0850	0899
		1246	1329	1402
	Salvelinus fontinalis			0743
		0745	1134	
	Salvelinus sp.	0805	1134	
	Salvelinus hy.			1134
1,24	Esox	0903	0929	1029
1,25	Maurolicus			1275
1,31	Galaxias			0904
1,36	Gnathonemus			1345
	Mormyrus			1345
	Petrocephalus			1345
1,39	Gymnotus			1345
1,40	Abramis			1291
	Alburnus		1290	1403
	Barbus		1290	1404
	Carassius	0894	0933	0943
		1030	1031	1246
	Carpiodes			0897
	Chondrostoma		0932	1290
	CYPRINIDAE			1217
	Cyprinus	0750	0795	0894
		0969	1085	1190
		1213	1403	1203

## 1,40 (continued)

<i>Leuciscus</i>		1403
<i>Misgurnus</i>		1009
<i>Rasbora</i>		0940
<i>Rutilus</i>	0932	1295
<i>Tinca</i>		0623
<i>Vimba</i>		1290
1,41 <i>Ictalurus</i>	0891	1313
1,42 <i>ANGUILLIFORMES</i>		1246
1,43 <i>Anguilla</i> , gen.		1223
<i>Anguilla anguilla</i>		1346
<i>Conger</i>	53-1666	
<i>Muraena</i>	53-1666	
<i>Uropterygius</i>		0738
1,47 <i>Ablennes</i>		0747
<i>Chriodorus</i>		1183
<i>Cololabis</i>	0748	0764
<i>Dermogenys</i>		0940
<i>HEMIRHAMPHIDAE</i>		0580
1,48 <i>GADIFORMES</i>		0707
<i>Gadus callarias</i>	0843 0953	1048
<i>Gadus macrocephalus</i>		0744
<i>Gadus poutassou</i>		0966
<i>Gadus</i> sp.	0966	0988
<i>Melanogrammus</i>	0816 0317	0818
<i>Merluccius bilinearis</i>		0815
<i>Merluccius merluccius</i>	0938	0993
<i>Merluccius productus</i>		1147
1,49 <i>Trachyrincus</i>		1276
1,50 <i>Gasterosteus</i>		1029
<i>Pygosteus</i>		1224
1,51 <i>Syngnathus</i>		0747
1,57 <i>Fundulus</i>		1130
<i>Gambusia</i>		1055
<i>Lebistes</i>		1389
<i>Oryzias</i>		0915
1,64 <i>SPHYRAENIDAE</i>		1058
1,65 <i>Mugil</i>	0970	1055
1,69 <i>PERCIFORMES</i>		1246
1,70 <i>Amphiprion</i>		1320
<i>Boops</i>		0966
<i>Centropomus</i>		0701
<i>CHIRONOMIDAE</i>		1354

## 1,70 (continued)

<i>Chrysophrys</i>			1315
<i>CICHLIDAE</i>			1156
<i>Epinephelus</i>			0690
<i>Eriscion</i>			0803
<i>Halichöres</i>			0747
<i>Holacanthus</i>			0747
<i>LUTIANIDAE</i>			0834
<i>Lutjanus</i>			0876
<i>Micropterus</i>			1187
<i>Mullus</i>			0966
<i>Pagellus</i>			0966
<i>Perca</i> , gen.			1029
<i>Perca fluviatilis</i>			1403
<i>PERCIDAE</i>			0927
<i>Pomacentrus</i>			0747
<i>Roccus</i>			0856
<i>Sparisoma</i>			0747
<i>Spicara</i>			0966
<i>Tilapia</i>	0751 1035 1036		1131
<i>Trachurus</i>			0966
1,71 <i>BLENNIIDAE</i>			1323
1,75 <i>Istiophorus</i>			0747
<i>Rastrelliger</i>			1086
<i>Sarda</i>			0991
<i>Scomber scombrus</i>			0991
<i>SCOMEROIDEI</i>		1039	1059
<i>Tetrapturus</i>			0747
<i>Xiphias</i>			0865
1,76 <i>Anabas</i>			0940
<i>Betta</i>		0940	1322
<i>Helostoma</i>			0940
<i>Trichogaster</i>			0940
1,77 <i>Bathygobius</i>			0925
<i>GOBIIDAE</i>			1323
1,78 <i>Rhamphocottus</i>			0744
<i>Scorpaena</i>		58-1666	
<i>SCORPAENIDAE</i>			1310
<i>Sebastes</i>		0862	1272
1,80 <i>Germo</i>	0799	0864	0866
<i>Katsuwonus</i>	0742	0824	0854
<i>Neothunnus</i>		0756	0854
<i>THUNNIFORMES</i>	0755	0813	0824
	0841 0843	0880	0987
	1039	1058	
<i>Thunnus thynnus</i>		0747	0962
	0963		
1,83 <i>Arnoglossus</i>			0966
<i>Hippoglossus stenolepis</i>			0635
	0744 0869		
<i>Pleuronectes flesus</i>			0668

1,23	(continued)			
	<i>Pleuronectes platessa</i>		0668	
1,90	<i>Tetraodon</i>		0740	
1,95	<i>Lophiomus</i>		0747	
1,99	FISHES, MISC.	0565	to	0568
	0570	to	0579	0581
	0585	0587	0590	0595
	to	0602	0605	0606
	0608	to	0611	0613
	0614	0616	0618	0619
	0622	0626	0631	0632
	0637	0640	0641	0642
	0645	to	0650	0653
	to	0656	0662	0663
	0664	0667	0672	0673
	0675	0676	0679	0680
	0684	0685	0688	0691
	0692	0693	0696	0697
	0703	0704	0742	0752
	0760	0762	0763	0766
	0767	0770	0772	0794
	0800	0801	0803	to
	0807	0819	0824	0830
	0833	0837	0838	0843
	0851	0852	0858	0873
	0875	0877	0878	0879
	0884	0911	0913	0914
	0936	0938	0939	0941
	0944	to	0947	0949
	0951	0952	0954	0958
	0959	0961	0972	0976
	0978	0982	0997	1002
	1047	1054	1078	1080
	1082	1084	1088	1096
	1099	1103	1111	1112
	1120	1122	1124	1125
	1128	1132	1133	1149
	1161	1168	to	1172
	1175	1182	1184	1186
	1191	1194	1195	1199
	1200	1205	1206	1209
	1211	1222	1225	1230
	to	1233	1245	1247
	1249	1250	1321	1324
	1326	1341	1342	1357
	1360	1361	1362	1365
	1368	1370	1372	1380
	1384	1388	1390	1400
	1402			

2,00	CRUSTACEANS, GEN.	0714	0717
	0723	0729	0737
	0743	0743	0743
	0749	0754	0757
			0794

2,00	CRUSTACEANS, GEN. (continued)			
	0828	0918	0958	0989
	0992	1024	1040	1042
	1053	1058	1068	1069
	1089	1108	1113	1139
	1149	1151	1157	1184
	1185	1253	1256	1284
	1288	1316	1337	1353
	1396			
2,03	Apus			1265
2,05	DAPHNIIIDAE			1319
	Moina			0894
2,10	Caligus			1266
	Lepeophtheirus			1141
	LERNAEIDAE			1254
	Linnaesia			1274
	Phyllognathopus			1264
2,11	Argulus			0969
2,13	Balanus		0916	0926
2,23	Mesidotea			1401
2,24	GAMMARIDAE			58-5813
2,28	Aristeomorpha			0983
	Aristeus			0983
	Leander			0784
	Metapenaeus			1381
	NATANTIA	0773	to	0776
		to	0782	0785
		0788	0789	0803
		0839	0842	0844
		0874	0882	
	PANDALIDAE			0990
	PENAEIDAE	0777	0971	0990
	Penaeus	0783	0786	0790
	Parapeneopsis			0790
	Plesionika			0990
	Sicyonia			0790
	Xiphopeneus			0790
2,29	Cancer			0853
	Eriocheir			1401
	Jasus		0580	0694
	REPTANTIA	0586	0624	0834
		0867	1054	1262
	Uca			1318



2,99	CRUSTACEANS, MISC. (continued)				
		0616	0622	0626	0632
		0637	0640	0641	0647
		to	0650	0654	0655
		0663	0664	0673	0676
		0680	0693	0696	0697
		0770	0772	0833	0843
		0873	0875	0877	0878
		0879	0945	0946	0947
		0949	0954	0961	0997
		1047	1080	1082	1084
		1088	1099	1100	1103
		1111	1112	1161	1191
		1195	1199	1200	1205
		1209	1211	1225	1226
		1227	1229	1233	1250
		1326	1342	1357	1368
		1372	1388	1402	

3,00	MOLLUSCS, GEN.	0714	0717	0723	
		0729	0737	0743	0749
		0754	0757	0794	0828
		0918	0958	0989	0992
		1024	1040	1042	1053
		1058	1068	1069	1089
		1108	1113	1139	1149
		1151	1157	1184	1247
		1253	1256	1284	1288
		1316	1337	1353	1396

3,05	GASTROPODA				1267
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3,06	PROSOBRANCHIATA				1269
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3,10	Cassia				1160
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3,11	Adalaria				0922
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3,13	Siphonaria				1282
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3,15	PELECYPODA	0645	0651	0803	0808
		0821	0822	0823	0910
		0914	1052	1117	1228
		1402			

3,16	Anodonta				1401
	ARCIDAE			1081	1087
	Mytilus				1145
	PECTINIDAE	0814	0819		0820
	Pinctada	0644	0666		0820

3,17	Bankia				1259
	Spisula				0812
	Venus				0812

3,21	Octopus				1028
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3,99	MOLLUSCS, MISC.	0565	0570		
	to	0578	0581	0585	
	0588	0590	0597	0598	
	0600	0605	0610	0614	
	0616	0622	0626	0632	
	0637	0640	0641	0647	
	to	0650	0654	0663	
	0664	0673	0676	0680	
	0693	0696	0770	0772	
	0833	0843	0873	0875	
	0934	0945	0946	0947	
	0949	0954	0961	0997	
	1047	1080	1082	1084	
	1088	1099	1100	1103	
	1111	1112	1156	1161	
	1191	1195	1199	1200	
	1205	1209	1211	1225	
	1226	1227	1229	1233	
	1247	1250	1268	1342	
	1357	1368	1372	1388	
	1394	1402			

4,00	MAMMALS, GEN.				1089
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4,06	Callorhinus				0607
	PINNIPEDIA	0584	0605		0831
	Zalophus				0802

4,21	CETACEA	0620	0621	0643	0661
		0698	0840	0843	1098

4,22	PHYSETERIDAE	0629	0639		1070
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4,23	Balaenoptera sp.				0639
	ESCHRICHTIDAE		0629		0639

4,97	MAMMALS, AQUATIC		0597		1056
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4,99	MAMMALS, MISC.				1161
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5,00	AMPHIBIANS, GEN.				1089
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5,11	Acris				0746
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5,12	Rana				0834
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5,31	CHELONIA				1152
	Chelonia				0665

5,35	Enhydrina				1277
	Hydrophis				1277
	Lapemis				1277
	SERPENTES				1152

5,49	REPTILES, MISC.				1161
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5,87	BIRDS, AQUATIC	1038	1056		1089
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5,94	TUNICATA		1258	6,82	(continued)				
5,98	CHORDATA, GEN.		1129		Oecetis			1154	
6,00	PROTOZOA	1040	1089		Parasetodes			1154	
6,13	PORIFERA		1040		Polycentropus			1153	
6,15	Euspongia	0658	0876		Potamoryza			1154	
6,16	COELENTERATA		1040		Pseudoleptocerus			1154	
6,17	Physalia		1063		Setodes			1154	
6,19	Anthopleura		1325		TRICHOPTERA			0935	
	Aspidiscus		1261	6,84	Hylotrupes			0919	
	Muricea		1274	6,87	Chironomus			1382	
6,23	PLATYHELMINTHES	1040	1206		SIMULIIDAE			1143	
6,24	TURBELLARIA		1280	6,89	ECHINODERMATA			1040	
6,25	TREMATODES		1257	6,93	Loxechinus			1060	
6,26	ACAUXTHOCOLPIDORAE		1260	6,97	INVERTEBRATES, AQUATIC			0714	
	BETEROPHYIDORAE		1260			0717	0723	0737	0743
	SCHISTORCHIDORAE		1260			0749	0754	0757	0794
	Trigonocryptus		0740			0828	0918	0958	0989
6,27	Aponurus		1147			0992	1024	1042	1053
	Brachadena		1147			1058	1068	1113	1139
	Crepidostomum		0745			1149	1157	1184	1185
	Lecithophyllum		1147			1253	1284	1288	1316
6,37	Brachionus		1300			1337	1353	1357	1368
6,40	BRYOZOA		0979			1372	1388	1396	
6,46	ANNELIDA		1040	7,00	ALGAE, GEN.	58-0950	58-1653	58-1667	
6,50	Pisone		1062			0714	0721	0722	0727
6,54	ARTHROPODA	1040	1321			0728	0757	0794	0828
6,56	Limulus		0617			0917	0958	1024	1038
6,57	ARACHNIDA		1040			1042	1053	1068	1113
6,64	ONYCHOPHORA		1040			1149	1184	1185	1284
6,65	MYRIAPODA		1040			1331	1340	1353	1373
6,66	INSECTA		1040			1374	1398		
6,82	Adicella		1154	7,16	DESMIDIACEAE			1279	
	Leptocerina		1154		Oocardium			1299	
	Leptocerus		1154	7,41	BACILLARIOPHYCEAE		0923	1137	
				7,43	Tabellaria			1114	
				7,52	ZOOXANTHELLAE			1325	
				7,66	Noctiluca			0942	
				7,70	EUGLENACEAE			1298	
				7,81	RHODOPHYCEAE			1066	
				7,89	Cottoniella			0739	

7,95	<i>Anabaena</i>			1158
	<i>Trichodesmium</i>			0942
7,99	ALGAE, MISC.	0697	1061	1099
	1283	1312	1342	1357
	1368	1372	1380	1388
8,01	BACTERIA 58-0950		1024	1113
	1165	1236	1294	1303
	1339	1351	1375	
	<i>Escherichia</i>			1317
8,25	<i>Didymium</i>			1302
8,37	<i>Achlya</i>			1173
9,43	<i>Elodea</i>	0921		1344
9,97	HIGHER PLANTS, AQUATIC	1312		1373
	1379			





100	AFRICA				1100	232	California	0743	0744	0745
								0794	0796	to
111	Tunisia			0845	0958			0851	to	0856
113	Morocco	0153	0355	0373	1310			1176	1186	1187
131	Kenya				0880					1339
132	Uganda			58-1667	0883	233	Colorado		0899	0921
136	Mauritius				0568	234	N. Dakota			1338
141	Fr.W. Africa	1036	1159		1160	234	Nebraska			1338
			1161		1234	234	Minnesota			0903
142	Port. Guinea				1234	234	Wisconsin			1343
143	Liberia				1234	234	Illinois			1333
144	Gambia				1234	235	Texas	0746	0747	1384
144	Sierra Leone		1234		1283	235	Louisiana			0860
144	Ghana				1234	235	Tennessee			1128
144	Br. Togoland				1234	235	Mississippi			1179
144	Fr. Togoland				1234	236	USA, New England		0804	1326
145	Nigeria				1234	236	Maine			1079
145	Br. Cameroons				1234	237	New Jersey		1367	1368
147	Belg. Congo				1240	237	Maryland			0809
147	Ruanda-Urundi				1151	237	Virginia		0822	0867
151	Angola			0873	1380	237	Pennsylvania	1134	1182	1183
154	Union of S. Africa			0588	0590	238	Florida			0803
		0605	0616	0629	0639					
		0657	0701	0702	0846	300	LATIN AMERICA			1100
		0884	0886	1282						
155	Mozambique				1318	311	Mexico	0586	0839	1191
163	New Amsterdam and St. Paul Is.				1054	312	Guatemala			1191
						313	El Salvador		0597	1191
						315	Panama			1191
200	NORTH AMERICA					316	Nicaragua		0614	0882
						317	Honduras			0977
210	Canada	0607	0621	0624	0633	321	Br. W. Indies		0887	1191
		0635	0670	0685	0706	322	Cuba	0834	0876	1188
		0823	0890	1052	1100	325	Puerto Rico			1391
					1125	331	Colombia	0581	0648	0687
211	Canadian Arctic				1145					1191
212	British Columbia		0610	0626	333	333	Br. Guiana			0874
				0649	334	334	Surinam		0844	0874
213	Saskatchewan			0637	342	342	Peru	0680	1053	1191
213	Manitoba		0653	1319	343	343	Chile	0647	0663	0696
214	Ontario		0611	0625				0698	1059	to
215	Quebec		0652	1279	351	351	Brazil	0898	1131	1133
216	Newfoundland	0654	1048	1050	353	353	Argentina		0620	0632
216	Labrador			1048	355	355	Bolivia			1208
217	New Brunswick			0636						
217	Nova Scotia			0615	400	400	ASIA			1100
217	Prince Edward I.		0651	0674						
220	USA (Alaska)	0565	0617	0641	410	410	Asia, S.W.			1252
		0678	0703	0704	0820	412	Cyprus			0640
		0829	0849	0850	0863	413	Israel	0838	0878	0958
230	USA	0592	0642	0643	0679				0992	1000
		0681	0682	0783	0823	416	Iraq	0622	0656	1256
		0830	1096	1100	1111	421	Pakistan		0778	1357
		1123	1167	1232	1243	421	W. Pakistan			0587
			1347	1348	1377	423	India	0749	0775	0776
231	Washington State		0868	1402				0785	0837	1253
231	Oregon			1124				1257	1259	1262
								1265	1266	1268

424	Ceylon	0593	0594	0774	1269	556	Turkey	0167	0628	0677	0972
425	E. Pakistan			1034	1184				0975	0982	1380
431	Burma				0789	561	Federal Republic of Germany				1206
432	Thailand	0751	0936	to	0939				1217	1222	1369
		0942	to	0947	0950	562	Switzerland		1114	1298	1371
		0952	1080	to	1084	563	Austria				0662
			1086	1088	1099	572	Poland	0928	0930	0931	0932
433	Singapore				1233			0934	0935	1286	1287
434	Indonesia	0768	0769	0772	0780			1288	1290	1291	1293
434	Java			0750	0752				1294	1295	1297
437	Philippines		0602	0671	0765	573	Czechoslovakia		0595	0596	1301
			0779	0786	1035						
438	Vietnam				1277	600	OCEANIA				1100
441	Chinese People's Republic				0758						
442	Hong Kong				1085	610	<u>Australia</u>	0569	0644	0695	0710
444	Korea			0758	0914			0720	to	0736	0788
451	Japan	0757	0758	0760	0763					0904	1058
		0766	0770	0771	0781	612	Western Australia		0691	to	0694
		0782	0879	0906	1081						
			1111	1112	1225	613	S. Australia			0580	0948
						615	New S. Wales		0570	to	0578
500	EUROPE			1100	1376			0608	0645	0646	0690
											0777
511	Denmark		0835	0836	1078	616	Queensland		0579	0598	0599
512	Faroe Is.				1396						0665
513	Iceland				1051	617	Tasmania				0672
514	Norway	0831	0842	0889	1247	630	<u>New Zealand</u>		0601	1023	1024
			1284	1308	1331			1039	1315	1316	1317
516	Sweden	0667	0668	1173	1280	632	Cook Is.				0666
					1308	651	Christmas I.				0715
517	Finland	0584	0585	0638	0675	660	<u>Hawaiian Is.</u>			0740	0827
			1280	1306	1308	682	New Caledonia				0737
521	Netherlands		0567	0623	0660	683	New Hebrides				0841
		0840	0870	0881	0893						
522	Belgium	0609	0673	0684	0689	700	USSR			0831	1100
					0870						
524	France	0566	0561	0669	0688	710	<u>Russian FSSR</u>		1055	1112	1219
		0699	0870	0958	0960	732	<u>Latvian SSR</u>				58-0950
	0978	1229	1276	1346	1365						
532	UK			0707	0847	800	SPECIAL INTERCONTINENTAL				
533	England	0631	0885	0888	0923		REGIONAL GROUPINGS				
		1043	1056	1122	1168						
		to	1172	1278	1341	815	Polar Regions				0917
		1360	to	1364	1372	817	Tropics				0917
535	Northern Ireland	0606	0612	0613		820	<u>Antarctic Continent</u>				0871
541	Portugal	0591	0603	0664	0843						
542	Spain	0604	0615	0627	0961	A	ATLANTIC OCEAN			0713	1057
			0973	0977	0983						
543	Italy	0619	0659	0676	0683	AN	<u>Atlantic, N.</u>	0811	0812	0814	
		0700	0705	0954	0957			to	0819	0831	0861
		0958	0959	0972	1248			0916	1047	1051	1074
				1249	1250					1271	1272
551	Yugoslavia		0909	0910	0911	ANW	Atlantic, N.W.	0685	0813	1033	
					1403				1145	1231	
553	Greece	0600	0655	0658	0958	ANW.05	G. of Maine				0862
					1165	ANW.07	B. of Fundy				1048
555	Romania				1404	ANE	Atlantic, N.E.				1185

ANE.04	North Sea	0684	0974	1189
ANE.05	Baltic Sea			1399
ANE.09	Irish Sea			0922
AS	<u>Atlantic, S.</u>			0783
ASW	<u>Atlantic, S.W.</u>			1075
ASW.01	G. of Mexico	0716	0787	0808
ASE	<u>Atlantic, S.E.</u>			0962
ASE.02	Mediterranean Sea	0955	0974	
		1002	1057	
ASE.03	Mediterranean Sea, Western			
		0961	0962	0976
				0983
ASE.04	Thyrranian Sea			0966
ASE.05	Mediterranean Sea, Eastern			
			0987	1001
ASE.08	Adriatic Sea	0964	0980	0988
		0989	0990	0993
				0996
				0997
				0998
ASE.09	Sea of Marmara		0970	0981
				0991
ASE.10	Black Sea		0970	0991
I	INDOPACIFIC OCEAN		0711	0713
		0824	0866	0949
			1045	1057
				1397
IN	<u>Pacific, N.</u>	0714	0820	0832
		0863	0864	0869
		1147	1181	1330
				1398
IN.01	Japan Sea			1398
ISW	Indian Ocean	0712	0713	0755
				1057
ISW.01	Red Sea	1258	1260	1261
ISW.02	G. of Aden			1258
ISW.05	Arabian Sea			1324
ISEW	Indopacific, Central			0738
			1064	1065
ISEW.10	Java Sea			0756
ISEW.12	Banda Sea			0756
ISEW.18	Coral Sea	0717	0719	0720
		0724	1021	1022
ISE	Pacific, S.E.			1394
P	POLAR SEAS			
PS	<u>Southern Ocean</u>			1181
PSE.02	Tasman Sea	0717	0719	0720
		0724	1022	1025
L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS			
L.11	<u>East African Lakes</u>			1149
L.21	<u>American Great Lakes</u>			0805
		0806	0807	0857
		0859	0905	1150
		1153	1154	1156
				1157
				1158







Talbot, G.B. (1959) 59-1405  
Rep.F.A.O./E.T.A.P., (1008):12 p.  
Report to the Government of Pakistan  
on hilsa fishery and fish passes

Report of a short survey, under the  
following headings: Fishery research  
facilities in Pakistan and India; Data  
available on hilsa fisheries of  
Pakistan & India; Survey of  
obstructions to fishes; Possibility of  
international co-ordination;  
Recommendations.

FiB:sjh

MF

59-1407  
(Card 2)

of the eye peduncles; a) the  
mitotic period starts at more  
advanced D<sub>0</sub> & continues up to the end  
of D<sub>1</sub>; b) the mitotic rates are higher.

FAO:hr

M

Halsbury, (1959) 59-1406  
New Scient., 5(112):93  
The Hovercraft

Note on a factor involved in the  
launching & stability of craft.

FAO:sjh

M

Anonymous (1959) 59-1409  
WMO Bull., 8(1):35-6  
(New British ocean weather ship).  
En Fr

Note on first voyage to ocean station  
Alpha (N. Atlantic) of the WEATHER  
REPORTER, which replaces WEATHER  
EXPLORER. Equipment provides for  
bathythermograph & other oceanographic  
observations, wave recording &  
measurement of total & net flux of  
radiation.

FAO:sjh

M

Tchernigovtzeff, C. (1959) 59-1407  
C.R.Acad.Sci., Paris, 248:600-2  
Croissance épithéliale et cycle  
d'intermue chez Leander serratus  
(Pennant) (Epithelial growth and  
molting cycle at Leander serratus  
Pennant)

The observation of cell multiplication  
at L. serratus has established that  
the epithelial growth takes place at a  
well determined period during the  
molting cycle, corresponding to stages  
D<sub>0</sub> & D<sub>1</sub> & D<sub>1</sub>'. At shrimps, having the  
cycle shortened because of the removal

Thomas, H.J. (1958) 59-1410  
Mar.Res., (8):107 p.  
Lobster and crab fisheries in  
Scotland

General review of fisheries for  
Homarus vulgaris & Cancer pagurus;  
ill. description of gear & method of  
use; landings & fishing effort by  
areas; storage & marketing problems,  
costs & profits, biometric observations  
of catches; discussion of potential  
development of the industry.

FAO:sjh

M

Crosby, L.H. & 59-1411  
 E.J. Ferguson Wood (1958)  
Trans.roy.Soc.N.Z., 85:483-530  
 Studies on Australian and New Zealand  
 diatoms. I. Planktonic and allied  
 species

Description of 135 planktonic & few  
 epontic & benthic spp. Indicator sp.  
 for water masses along the Australian  
 coast are discussed.

FAO:tl

M

Davis, F.M. (1958) 59-1414  
Fish.Invest., Lond., Ser.II,21(8):165p.  
 An account of the fishing gear of  
 England and Wales

Revised 4th edition of 4(4) 1923,  
 9(6) 1927, & 15(2) 1937. Ill.  
 description & classification of each  
 kind of gear; chapters on principles  
 of fishing, evolution of gears, net  
 making, mending & maintenance;  
 saving undersized fish; bibliography.

FAO:sjh

MF

Batham, E.J. (1958) 59-1412  
Trans.roy.Soc.N.Z., 85:647-58  
 Ecology of southern New Zealand  
 exposed rocky shore at Little Papanui,  
 Otago peninsula

Description of the physical-chemical  
 shore environment; the flora & fauna  
 found on this shore, their specific  
 environmental requirements & zonation  
 of the shore.

FAO:tl

M

Blaxter, J.H.S. & 59-1415  
 F.G.T. Holliday (1958)  
Proc.R.phys.Soc.Edinb., 27(1):15-28  
 Factors influencing the feeding  
 behaviour of herring

Tank experiments with 2 year old  
Clupea harengus from Scottish east  
 coast; effect of color, size, shape,  
 texture, taste of food items on  
 behaviour; relation with brain  
 morphology; effect of light,  
 temperature, noise, tagging, on  
 feeding.  
 SJH:sjh M

Clark, W.C. (1958) 59-1413  
Trans.roy.Soc.N.Z., 85:659-79  
 The New Zealand species of Melagraphia  
Gray and Zediloma Finlay (Mollusca,  
 gastropoda)

Morphological description of the spp.  
 & discussion on taxonomy with key.

FAO:tl

M

Mason, J. (1958) 59-1416  
Mar.Res., (9):8 p.  
 The occurrence of Nicotohø astaci  
 Audouin and Milne Edwards on Scottish  
 lobsters

Infestation rates on Homarus vulgaris;  
 effect on host; variation of  
 infestation with size of host;  
 economic aspects.

FAO:sjh

M



Margalef, R. (1958) 59-1417  
Publ.Inst.Biol.apl.Barcelona, 28:5-47  
 Materiales para el estudio de las  
 comunidades bióticas de las aguas  
 dulces y salobres, principalmente del  
 NE. de España (Material for the  
 study of biotic communities of fresh  
 and brackish waters, mainly of NE  
 Spain). En

Presents 276 inventories of fresh &  
 brackish water communities distributed  
 in a number of associations chiefly  
 based on floristic similitude.

FAO:hr

MF

Schlieper, C. (1958) 59-1420  
Vie & Milieu, 9:139-52  
 Sur l'adaptation des invertébrés  
 marins à l'eau de mer diluée  
 (The adaptation of marine invertebrates  
 to diluted sea water)

A study of physiological &  
 morphological characteristics of  
Asterias rubens, Mytilus edulis &  
Carcinus maenas related to the  
 capacity of these organisms to live  
 or remain in brackish water.

FAO:hr

MF

Zariquiey Alvarez, R. (1958) 59-1418  
Publ.Inst.Biol.apl.Barcelona, 28:49-50  
 Sobre el gén. Munida Leach 1820.  
 Rectificación (On the genus Munida  
 Leach 1820. Rectification)

A note on the nomenclature of the sp.  
 of Europe.

FAO:hr

M

Salines, S. (1958) 59-1421  
Vie & Milieu, 9:153-70  
 Contribution à l'étude faunistique  
 des étangs saumâtres de la région  
 biterroise (Contribution to the  
 faunistic study of the brackish  
 ponds of the "biterroise" region)

Describes the geographic location,  
 geological nature & origin, hydro-  
 graphic system, salinities &  
 climate vegetation & fauna, & gives  
 biological notes on the molluscs,  
 annelids, crustaceans, arachnids,  
 insects & fishes of the "Grande Mère",  
 France.

FAO:hr

MF

Ortiz, E. (1958) 59-1419  
Publ.Inst.Biol.apl.Barcelona, 28:69-73  
 Distribución geográfica de los  
 diaptómidos de la Península Ibérica  
 (Geographic distribution of diaptomid  
 of the Iberic Peninsula)

Distributional data on the known  
 forms of diaptomid copepods from the  
 Spanish fauna are summarized.

FAO:hr

F

Euzet, L. (1958) 59-1422  
Vie & Milieu, 9:211-4  
 L'oncomiracidium de Capsala onchidio-  
cotyle (Setti 1899) (Monogenoidea-  
 Monopisthocotylea) The oncomira-  
 cidium of Capsala onchidiocotyle Setti  
 1899, Monogenoidea-Monopisthocotylea)

Description of the oncomiracidium of  
 the sp. from branchial archs of  
Thunnus thynnus.

FAO:hr

M

Deboutteville, C. Delamare 59-1423  
 & L. Nunes-Ruivo (1958)  
Vie & Milieu, 9:215-35  
 Copépodes parasites des poissons  
 méditerranéens (Parasite copepods  
 of Mediterranean fishes)

A taxonomic list of parasites mainly  
 collected in the region of Banyuls,  
 France. Notes on hosts are also given.

FAO:hr

M

Daget, J. (1958) 59-1426  
Bull.Inst.franç.Afr.noire, 20:1360-78  
 Le genre Paradistichodus (Poissons  
 Characiformes) (The genus Paradi-  
stichodus, fishes Characiforms)

A study of the morphology, ecology,  
 ethology, & anatomy of the sp. of the  
 genus from West Africa which is  
 compared with Distichodus.

FAO:hr

F

Varlet, F. (1958) 59-1424  
Bull.Inst.franç.Afr.noire, 20:1089-102  
 Les traits essentiels du régime côtier  
 de l'Atlantique près d'Abidjan (Côte  
 d'Ivoire). (The main features of the  
 coast of the Atlantic by Abidjan,  
 Ivory coast)

A study of the main physical & chemical  
 characteristics of the surface waters,  
 & their variation in different  
 depths, & swells, currents, sand  
 movements & related questions.

FAO:hr

M

Salzen, E.A. (1958) 59-1427  
Bull.Inst.franç.Afr.noire, 20:1388-1426  
 Observations on the biology of the  
 West African shad, Ethmalosa fimbriata  
 (Bowdich)

The nature & extent of the fishery of  
 the sp. on the Sierra Leone river  
 estuary are described, ichthyometric  
 data are analysed & discussed, & ten  
 tentative conclusions on its biology are  
 presented.

FAO:hr

MF

Pitot, A. (1958) 59-1425  
Bull.Inst.franç.Afr.noire, 20:1103-38  
 Rhizophores et racines chez Rhizophora  
 sp. (Rhizophores and roots of  
Rhizophora sp.)

A study of the anatomic changes of  
 rhizophores encompassing structure &  
 behaviour of rhizophores, structure  
 & development of the fixing roots, &  
 aquatic adventitious roots.

FAO:hr

MF

Cadenat, J. (1958) 59-1428  
Bull.Inst.franç.Afr.noire, 20:1427-33  
 Notes d'ichtyologie ouest-africaine.  
 XVIII - Un "diable de mer" du Pacifique  
 est, Mobula lucasana Beebe & Tee Van  
 1938, sur les côtes du Sénégal  
 (West-African ichthyological notes.  
 XVIII - A devil fish of eastern Pacific  
Mobula lucasana Beebe & Tee Van 1938,  
 on the coast of Senegal)

Gives distinctive characters,  
 description, feeding habits &  
 parasites of the sp.

FAO:hr

M

Cadenat, J. & 59-1429  
M. Doutre (1958)  
Bull.Inst.franç.Afr.noire, 20:1483-4  
Notes sur les delphinidés ouest-  
africains. I. Un Prodelphinus?  
indéterminé des côtes du Sénégal  
(Notes on West African delphinids. I.  
A Prodelphinus? indeterminatd of the  
coast of Senegal)

An ill. note giving dimensions &  
characteristics.

FAO:hr

M

Wyrski, K. (1959) 59-1432  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan.1959,  
1:1-17  
Report on physical oceanography in the  
central Indo-Pacific region

WAD:

M

Cadenat, J. (1958) 59-1430  
Bull.Inst.franç.Afr.noire, 20:1486-91  
Notes sur les delphinidés ouest-  
africains. II. Un spécimen du genre  
Feresa capturé sur les côtes du  
Sénégal (Notes on West African  
delphinids. II. A specimen of the genus  
Feresa captured on the coast of Senegal)

A note giving anatomical characters &  
morphometric measurements.

FAO:hr

M

Soeriaatmadja, E. (1959) 59-1433  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
2:4 p.  
Report regarding marine research in  
Indonesia

WAD:

M

Friant, M. (1958) 59-1431  
Hvalråd.Skr., (42):13 p.  
Un stade de l'évolution cérébrale du  
rorqual (Balaenoptera musculus L.)  
(A cerebral evolutionary stage of  
rorqual, Balaenoptera musculus L.)  
A study of the telencephalon of a foetus  
of the sp. which is compared with the  
foetal encephalo of Megaptera,  
Phocaena & the adult of Balaenoptera.

FAO:hr

M

Fah-Hsuen, L. (1959) 59-1434  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
3:3 p.  
The present situation regarding marine  
research in Taiwan, China

WAD:

M



Serène, R. (1959) 59-1435  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
4:27 p.

Report on marine biology in the central  
Indo-Pacific region

WAD:

M

Bruun, A.F. (1959) 59-1438  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon 14-17 Jan. 1959,  
8:6 p.

A survey of the status of biology of  
the Asian-Australian seas

WAD:

M

Kong, S.M. (1959) 59-1436  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
6:2 p.

Marine research in the Federation of  
Malaya

WAD:

M

Bruun, A.F. (1959) 59-1439  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon 14-17 Jan. 1959,  
9:11 p.

Marine sciences in the Far East

WAD:

M

Martin, C. (1959) 59-1437  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
10:8 p.

President situation as  
regards marine research in the  
Philippines

"President" should obviously read  
"Present".

WAD:

M

Dong-Hwan, P. (1959) 59-1440  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
13:7 p.

The present situation of the Korean  
oceanographic research, and Korean  
proposals to the international joint  
research projects for marine science  
in East and Southeast Asia

WAD:

M

Penyapol, A. (1959) 59-1441  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
14:5 p.  
A report on marine research in  
Thailand

WAD:

M

Dong-Hwan, P. (1959) 59-1444  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
17:3 p.  
The Korean proposal to the joint  
research projects

WAD:

M

Tubb, J.A. (1959) 59-1442  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
15:3 p.  
A note on the UNESCO gift selected  
plankton nets

WAD:

M

Kow, T.A. (1959) 59-1445  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
18:2 p.  
Report on the present situation as  
regards marine research in Singapore

WAD:

M

Tubb, J.A. (1959) 59-1443  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
16:2 p.  
A note on the IPFC/FAO international  
training center on methodology and  
techniques of research on mackerel  
(Rastrelliger)

WAD:

M

UNESCO Natural Sciences 59-1446  
Department (1959)  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
88:9 p.  
Special long-term project for biological  
and physical oceanographic  
investigation of south east Asian seas

WAD:

M

Yoshida, K. (1959) 59-1447  
Doc.reg.Meeting of Specialists in  
Marine Science. UNESCO SE Asia Sci.  
Coop.Off., Saigon, 14-17 Jan. 1959,  
 10 p.  
 National report Japan

Klimov, L.V. & 59-1450  
 D.S. Solovlev (1958)  
C.R.Acad.Sci.U.R.S.S., 123:141-4  
Nekotorye cherty geologicheskogo  
stroeniia poberezh'ia Zemli Wilska,  
Berega Korolia Georga V i Berega Otca  
(Vostochnaia Antarktida) (Some  
 geological features of the littoral  
 of the Wilkes Land, of King George V  
 coast and of Oates coast, East  
 Antarctic)

WAD:

M

FAO:

M

U.K. Ministry of Agriculture 59-1448  
 Fisheries & Food (1958?)  
Fish.Lab., Lowestoft, 297 p.  
 Hydrographical observations

Describes methods used on the various  
 research vessels; tabulates data,  
 position (NE Atlantic), temperature,  
 depth, salinity, phosphate & other  
 quantities, giving both observed &  
 interpolated & calculated values,  
 & associated weather conditions with  
 meteorological data.

GLK:sjh

M

Smirnov, A.I. (1958) 59-1451  
C.R.Acad.Sci.U.R.S.S., 123:371-4  
Nekotorye osobennosti biologii  
razmnozheniia i razvitiia lososevoi  
ryby nerki - Oncorhynchus nerka  
(Walbaum) (Certain peculiar  
 features in the biology of  
 propagation and development of  
Oncorhynchus nerka Walbaum)

FAO:

MF

Epstein, B. (1958) 59-1449  
Industr.Qual.Contr., 15(6):7 p.  
 The exponential distribution and its  
 role in life-testing

Theoretical study of the Poisson  
 mortality process involved in the  
 description of fish mortality.

SJH:sjh

G

Khlebovich, V.V. (1958) 59-1452  
C.R.Acad.Sci.U.R.S.S., 123:375-6  
O dvukh formakh polikhety Cirratulus  
cirratus (O.F. Müller) (On two  
 forms of the Cirratulus cirratus  
 O.F. Müller, Polychaeta)

FAO:

M



Jönsson, S. (1959) 59-1453  
C.R.Acad.Sci., Paris, 248:835-7  
 L'existence de l'alternance hétéro-  
 morphie de générations entre l'Acro-  
siphonia spinescens Kjellm. et le  
Codiolum petrocelidis Kuck (The  
 existence of heteromorphic alternation  
 of generations between Acrosiphonia  
spinescens Kjellm. & Codiolum petro-  
celidis Kuck)

The formes "species" is the haploid  
 gametophyte, the latter the diploid  
 sporophyte. Study of populations  
 near Roscoff.

FAO:sjh

M

Crowell, S. (1957) 59-1456  
J.exp.Zool., 134:63-90  
 Differential responses of growth zones  
 to nutritive level, age, and  
 temperature in the colonial hydroid  
Campanularia

Study of growth patterns of different  
 zones of the colony under various  
 conditions of food supply.

FAO:glk

M

Deysson, G. (1959) 59-1454  
C.R.Acad.Sci., Paris, 248:841-3  
 Action de la kinétine et de la  
 thiokinétine sur la croissance de la  
 lentille d'eau (Lemna minor L.)  
 (Action of kinetin and thiokinetin on  
 the growth of the duckweed, Lemna  
minor L.)

Reports laboratory experiments.  
 Comparison with results for Hydrocharis.

FAO:sjh

F

Lenhoff, H.M. & 59-1457  
 W.F. Loomis (1957)  
J.exp.Zool., 134:171-81  
 Environmental factors controlling  
 respiration in Hydra

Describes a method of measuring the  
 respiratory rate of hydra to within  
 ± 5%, & reports quantitative studies  
 of the effect of temperature, oxygen  
 tension, starvation, pH, osmotic  
 pressure & calcium ion, on  
 respiration.

FAO:glk

M

Tauc, L. (1959) 59-1455  
C.R.Acad.Sci., Paris, 248:853-6  
 Preuve expérimentale de l'existence  
 de neurones intermédiaires dans le  
 ganglion abdominal de l'Aplysie  
 (Experimental proof of the existence of  
 intermediate neurones in the abdominal  
 ganglion of Aplysia)

Contents as per title.

FAO:sjh

M

Moussa, T.A. (1957) 59-1458  
J.exp.Zool., 136:419-54  
 Physiology of the accessory  
 respiratory organs of the teleost,  
Clarias lazera (C. & V.)

Experiments to examine the function of  
 the arborescent organs, chambers & fans  
 by examining survival out of water,  
 effect of oxygen content of the water,  
 the role of the contents of the supra-  
 branchial chambers, & the effect of  
 injury to air-breathing organs.

FAO:glk

F

Bailey, R.E. (1957) 59-1459  
J.exp.Zool., 136:455-69  
 The effect of estradiol on serum calcium, phosphorus, and protein of goldfish

Biochemical study of the effects of administration of estrogen.

FAO:glk

F

Crnica, A. (1959) 59-1462  
Morsk.Ribarstv., 11(1):3-4  
 Problem vzgoje cipljev v Portoroško-Piranskem zaljevu (The problem of breeding Mugil cephalus in the bay of Portorož-Piran)

Review of the present stage of mullet culture & suggestions for improvements necessary in the bay for successful breeding & culture of mullet in it.

FAO:tl

MF

Goss, J.R. & 59-1460  
 M.W. Stagg (1957)  
J.exp.Zool., 136:487-503  
 The regeneration of fins and fin rays in Fundulus heteroclitus

Histological examination of the reconstitution of fin rays in normal regenerating fin, & of the effects of denervation, extirpation & transplantation of rays.

FAO:glk

F

Grubišić, F. (1959) 59-1463  
Morsk.Ribarstv., 11(1):5-6  
 Nove mogućnosti za razvoj spužvarstva (New possibilities for the sponge industry)

Results of experimental fishing for sponges in the Cape Pelegrin region.

FAO:tl

M

Mužinić, R. (1959) 59-1461  
Morsk.Ribarstv., 11(1):1-2  
 Rad instituta za oceanografiju i ribarstvo na pelagičnoj ribi od 1946. do danas (The work of the institute of oceanography and fisheries on problems of pelagic fish since 1946)

Description of the principal results of investigations of sardines & other pelagic spp. & marine fisheries development in Yugoslavia in general.

FAO:tl

M

Korsgaard, K. (1958) 59-1464  
Folia limnol.scand., (10):11-3  
 Oplysninger vedrørende kloakforhold i Furesøens opland (Information on drainage-areas of Fure lake)

Description of the increase of population in the communes in the drainage-area & the types & capacities of their sewage-works.

FiB:tl

F

Ebert, F. & J.M. Lyshede (1958) 59-1465  
Folia limnol.scand., (10):13-7  
Afstrømningsundersøgelser i Furesøens  
nedbørsområde 1951-53 (Run-off  
investigations in the catchment area  
of the Fure lake 1951-53)

Annual & year-to-year variations in  
precipitation & run-off of tributaries.

FiB:tl

F

Berg, K. & U. Røen (1958) 59-1468  
Folia limnol.scand., (10):34  
Gennemsigtigheden i Furesø  
(Transparency in Fure lake)

Seasonal & year-to-year variations of  
transparency of the lake.

FiB:tl

F

Korsgaard, K. & 59-1466  
A. Skadhauge (1958)  
Folia limnol.scand., (10):18-32  
Tilførsel af næringsstoffer til  
Furesøen fra vandløb og kloakanlæg  
(Convergence of nutrients to Fure lake  
from brooks and sewage works)

Computation of the amounts of N, P &  
Fe compounds supplied to the lake;  
prognoses for the future conditions;  
tabulated results of analysis.

FiB:tl

F

Berg, K. (1958) 59-1469  
Folia limnol.scand., (10):35  
Elektrisk ledningsevne af søvandet  
(Electrical conductivity of the lake  
water)

Data on electrical conductivity in  
various depths in 5 different years.

FiB:tl

F

Otterstrøm, C.V. (1958) 59-1467  
Folia limnol.scand., (10):33  
Temperaturmålinger 1932-33 i Furesø  
(Measurement of temperature in Fure  
lake 1932-33)

Data on the thermal stratification of  
the lake.

FiB:tl

F

Berg, K. & 59-1470  
H. Mathiesen (1958)  
Folia limnol.scand., (10):35-8  
Opløste stoffer i Furesø ifølge  
analyser af K. Korsgård og Gunde Lange  
(Dissolved substances in Fure lake  
based on the analysis of K. Korsgård and  
Gunde Lange)

Notes on methods & data on the amounts  
of N, P & Fe compounds.

FiB:tl

F



Olsen, S. (1958) 59-1471  
Folia limnol.scand., (10):39-96  
 Fosfatbalancen mellem bund og vand i  
 Furesø. Forsøg med radioaktivt fosfor  
 (The balance of phosphorus between the  
 bottom and the water in Fure lake.  
 Investigation with radioactive  
 phosphorus)

Description of phosphorus cycle in the  
 lake; results of investigations with  
 radioactive phosphorus in several lakes  
 on absorption & release of phosphorus  
 by sediment.

FiB:tl

F

Nygaard, G. (1958) 59-1474  
Folia limnol.scand., (10):109-13  
 Furesøens planteplankton (The  
 phytoplankton of Fure lake)

List of spp. & their relative  
 abundance in 18 samples from 1900-1952.

FiB:tl

F

Nygaard, G. (1958) 59-1472  
Folia limnol.scand., (10):97-104  
 Produktions- og milieuundersøgelser i  
 Furesø (Production- and  
 environment-investigation in Fure lake)

Description of the chemical physical  
 environmental characteristics.

FiB:tl

F

Christensen, T. & 59-1475  
 K. Andersen (1958)  
Folia limnol.scand., (10):114-28  
 De større vandplanter i Furesø  
 (The large aquatic plants in Fure  
 lake)

Frequencies of various aquatic plants  
 in different depths & comparison of the  
 frequencies in 1911-12 & 1950-51.

FiB:tl

F

Nielsen, E. Steemann (1958) 59-1473  
Folia limnol.scand., (10):104-9  
 Planteplanktonets årlige produktion af  
 organisk stof i Furesøen (The  
 annual production of organic matter by  
 phytoplankton in Fure lake)

Description of investigations on  
 uptake of  $C^{14}$  in the lake during  
 different seasons & discussions on  
 factors affecting this uptake.

FiB:tl

F

Mathiesen, H. (1958) 59-1476  
Folia limnol.scand., (10):128-30  
 Om Furesøens rørsump (On the  
 marshes of Fure lake)

Notes on the areas of marshes & size  
 of standing crops of Phragmites, Scirpus  
 & Typha.

FiB:tl

F

Fjerdingstad, E. (1958) 59-1477  
Folia limnol.scand., 130-5  
Bakteriologiske undersøgelser  
(Bacteriological investigations)

Occurrence of Clostridium welchii &  
Streptococcus faecalis in Fure lake.

FiB:tl

F

in Fure lake.

59-1479  
(Card 2)

FiB:tl

F

Fjerdingstad, E. (1958) 59-1478  
Folia limnol.scand., (10):135-47  
Furesøens litorale algevegetation  
(Littoral algal vegetation of Fure lake)

Lists of algae found with some notes  
on their systematic.

FiB:tl

F

Mathiesen, H. (1958) 59-1481  
Folia limnol.scand., (10):166  
Om størrelsen af det årlige fiskeri  
i Furesø (On the size of annual  
catches of fish in Fure lake)

Fisheries statistics by spp. from  
1940 to 1954 & some additional data  
on total catch from 1911 to 1954.

FiB:tl

F

Berg, K. (1958) 59-1479  
Folia limnol.scand., (10):148-65  
Studier over reliktkrebs og over ilt-  
og temperaturforhold på basis af  
observationer af mag.scient. C.V.  
Otterstrøm, cand.mag. Ulrik Røen og fil.  
lic. Charlotte Holmquist (Studies  
on relict crustaceans & oxygen &  
temperature conditions on the basis of  
observations of C.V. Otterstrøm, U.  
Røen and C. Holmquist)

Distribution of O<sub>2</sub> & T with depth in  
various occasions & occurrence &  
distribution of Mysis relicta, Ponto-  
poreia affinis & Pallasea quadrispinosa

Berg, K. (1958) 59-1482  
Folia limnol.scand., (10):167-73  
Sammenfattende bemærkninger om  
Furesø (Summary notes on Fure  
lake)

Present hydrological & biological  
conditions in the lake & summary of  
observations indicating auxotrophiz-  
ation of the lake in the past.

FiB:tl

F

Berg, K. (1958) 59-1483  
Folia limnol.scand., (10):174-82  
 Investigations on Fure lake 1950-54.  
 Summary of limnological studies on  
 cultural influences

English summary of the principle  
 results of different investigations by  
 various authors on the hydrological-  
 biological changes in the lake in the  
 past.

FiB:tl

F

Omura, H., M. Nishiwaki 59-1486  
 & K. Nasu (1958)  
Norsk Hvalfangsttid., 47:176-83  
 Japanese whale marking in the  
 antarctic seasons 1955-56 and 1956-57.  
En No

Gives the results of markings &  
 recoveries, & of experimental marking  
 of carcasses & recoveries with places  
 of recovery; slip-way, decks of  
 factory & refrigeration ships &  
 cookers.

FAO:hr

M

Riabkov, N.V. (1959) 59-1484  
C.R.Acad.Sci.U.R.S.S., 124:175-8  
Drevniaia rechnaia set' basseina Kamy  
i migratsiia rusel ee osnovnykh  
arterii (The ancient river-net  
 of the Kama basin, and the migration of  
 the river-beds of its main arteries)

FAO:

F

Anonymous (1958) 59-1487  
Norsk Hvalfangsttid., 47:183-5  
 Whaling in Australia in 1957.  
En No

A survey of Australian whaling in  
 1957.

FAO:hr

M

Sorokin, Iu.I., V.G. Snopkov 59-1485  
 & V.M. Grinbert (1959)  
C.R.Acad.Sci.U.R.S.S., 124:432-5  
Opredelenie zavisimosti fotosinteza  
fitoplanktona ot podvodnoi  
osveshchennosti v vodakh tsentral'noi  
chasti Atlanticheskogo okeana  
 (The determination of the relation  
 between photosynthesis of phytoplankton  
 and submarine illumination in the  
 waters of the central part of the  
 Atlantic)

FAO:

M

Anonymous (1958) 59-1488  
Norsk Hvalfangsttid., 47:185-91  
 Pelagic catch in the Antarctic  
 season 1957/58. En No

Gives statistics of catches of  
 pelagic baleen whales compared with  
 the permitted maximum catch during the  
 1947/48 to 1957/58 seasons, weekly  
 catches during 1955/56 to 1957/58  
 seasons, catches during the 1957/58  
 season & oil production during 1955/56  
 to 1957/58 seasons.

FAO:hr

M



Laws, R.M. (1958) 59-1489  
Norsk Hvalfangsttid., 47:225-54  
Recent investigations on fin whale  
ovaries. En No

A detailed study of the gross &  
microscopic anatomy of the ovaries of  
Balaenoptera physalus to establish to  
what extent corpora albicantia persist  
in whale ovaries & to determine the  
average annual increment & the range of  
variation.

FAO:hr

M

Anonymous (1958) 59-1492  
Norsk Hvalfangsttid., 47:387-411  
The Antarctic catch in the season  
1957/58. En No

An extract of a statistical survey  
of the catch during the season.

FAO:hr

M

Anonymous (1958) 59-1490  
Norsk Hvalfangsttid., 47:329-48  
The world catch in 1957. En No

A provisional statistical survey  
prepared by the Bureau of International  
Whaling statistics.

FAO:hr

M

Jonsgård, A. (1958) 59-1493  
Norsk Hvalfangsttid., 47:433-9  
Taxation of fin whales (Balaenoptera  
physalus) at land stations on the  
Norwegian west coast. En No

A short survey of the changes which  
have taken place in the stocks of  
whales which are taxed off the  
western coast of Norway & the  
significance to be attached to these  
changes.

FAO:hr

M

Østby, H. (1958) 59-1491  
Norsk Hvalfangsttid., 47:377-85  
Catch of small whales 1957. En No

Considers the whaling season, weather  
conditions, catch in different districts,  
production & yield in the North,  
Norwegian & Barents sea.

FAO:hr

M

Nishiwaki, M. & 59-1494  
T. Kamiya (1958)  
Norsk Hvalfangsttid., 47:440-57  
A beaked whale Mesoplodon stranded at  
Oiso beach, Japan

Notes on the exterior, osteological &  
taxonomical position of Mesoplodon  
ginkgodeus n.sp. A key to the sp. of  
Mesoplodon based on distinctive  
characters of skull & mandible is given.

FAO:hr

M

Anonymous (1958) 59-1495  
Norsk Hvalfangsttid., 47:541-60  
The 10th meeting of the International  
Whaling Commission. En No

Considers 11 items dealt with by the  
Commission such as maximum catch of  
blue whale units, prohibition against  
taking of humpback & blue whales, use  
of refrigerating ships in the  
Antarctic & others.

FAO:hr

M

Anonymous (1959) 59-1498  
Norsk Hvalfangsttid., 48:1-3  
The International Whaling Convention.  
En No

Gives the text of the recommendations  
of the 5-power whaling conference  
(Japan, the Netherlands, Norway, the  
UK & the USSR) on the allocation of  
annual total catches, & comments on  
sizes of annual quotas.

FAO:hr

M

Anonymous (1958) 59-1496  
Norsk Hvalfangsttid., 47:560-6  
Sperm whaling at Albany. En No

Gives information on production,  
regulations, average, lengths, sexual  
maturity, breeding, migrations, &  
embryos recovered of Physeter catodon  
from Albany, Western Australia.

FAO:hr

M

Anonymous (1959) 59-1499  
Norsk Hvalfangsttid., 48:14-8  
The whaling industry shown in graphic  
form. En No

Remarks & corrections regarding the  
presentation of a reproduced graphic  
ill. of the most important data within  
the whaling industry.

FAO:hr

M

Miyazaki, I. (1958) 59-1497  
Norsk Hvalfangsttid., 47:597-606  
Survey of whaling operations from  
shore based stations in Japan 1956 and  
1957. En No

Gives information on catches,  
distribution of body length, average  
size, sexual maturity, production,  
& whaling operations around Okinawa  
island.

FAO:hr

M

Teal, J.M. (1959) 59-1500  
Physiol.Zoöl., 32(1):1-14  
Respiration of crabs in Georgia salt  
marshes and its relation to their  
ecology

Experimental measurement of respiration  
in U. pugilator, U. pugnax, U. minax,  
S. reticulatum, S. cinereum & P.  
herbsti, with consideration of  
respiratory response to temperature,  
oxygen supply & other factors.

FAO:glk

MF

Aass, P. (1959) 59-1501  
Tekn.Ugebl., 106:105-8  
The effect of water storage on fresh water fisheries. The effects of impoundment on inland fisheries

With particular reference to Norway, discusses effects on food, growth, reproduction, migration, size & composition of stocks & fishing.

FAO:wad

F

Anonymous (1958) 59-1504  
J.sci.industr.Res., 17(12):94  
IGY activities in oceanography

Note on observations made of temperature, salinity & other characteristics.

FAO:glk

M

Sømme, S. (1959) 59-1502  
Tekn.Ugebl., 106:108-9  
The effect of water storage on fresh water fisheries. The effects of impoundment on salmon and sea trout rivers

Discusses effects of barrage dams, water diversion & flow maintenance dams & methods to offset the ill effects on Salmo & Oncorhynchus.

FAO:wad

MF

Hollenberg, G.J. (1958) 59-1505  
Amer.J.Bot., 45:653-6  
Culture studies of marine algae. III. Porphyra perforata

Formation of various spores by algae & their development.

FAO:tl

M

DeLong, D.C., J.E. Halver & E.T. Mertz (1958) 59-1503  
J.Nutr., 65:589-99  
Nutrition of salmonoid fishes. VI. Protein requirements of chinook salmon at two water temperatures

Experimental determination of the relation between water temperature & optimum protein level, with measurement of protein requirement & comparison of this with the requirements in birds & mammals.

FAO:glk

MF

Alston, R.E. (1958) 59-1506  
Amer.J.Bot., 45:688-92  
An investigation of the purple vacuolar pigment of Zygogonium ericetorum and the status of "algal anthocyanins" and "phytocorphyris"

Chemical properties of the purple pigment of algae & identification of this pigment as "iron-tannin".

FAO:tl

F



Tranter, D.J. (1958) 59-1507  
Aust.J.Mar.Freshw.Res., 9:509-25  
 Reproduction in Australian pearl  
 oysters (Lamellibranchia). IV.  
Pinctada margaritifera (Linnaeus)

Gonad histology; spawning season;  
 size & age at maturity; sex ratios.

HR:sjh

M

Anderson, H. (1958) 59-1510  
Aust.J.Mar.Freshw.Res., 9:546-68  
 The gastropod genus Bembicium Philippi

History of nomenclature of this  
 littorinid genus, its characters &  
 anatomy; 3 spp. are reef-living,  
 one estuarine, & one inhabiting  
 sheltered bays & inlets.  
 Adaptations to salinity, fecundity,  
 spawning times.

HR:sjh

MF

Nicholls, A.G. (1958) 59-1508  
Aust.J.Mar.Freshw.Res., 9:526-36  
 The egg yield from brown and rainbow  
 trout in Tasmania

Fecundity as a function of length &  
 weight in Salmo trutta & Salvelinus  
fontinalis.

HR:sjh

F

Laseron, C.F. (1958) 59-1511  
Aust.J.Mar.Freshw.Res., 9:569-657  
 The family Triphoridae (Mollusca) from  
 Northern Australia; also Triphoridae  
 from Christmas island (Indian Ocean)

A general account under the main  
 headings: Classification; Shell  
 characters; Key to genera of recent  
 Triphoridae; Description of northern  
 Australian spp.; Description of spp.  
 from Christmas island; New genera.

HR:sjh

M

George, R.W. (1958) 59-1509  
Aust.J.Mar.Freshw.Res., 9:537-45  
 The status of the "white" crayfish in  
 Western Australia

Shows that these animals, which occur  
 seasonally on the west coastal shelf,  
 are developmental stages of Panulirus  
longipes.

HR:sjh

M

Tung, T.C., S.C. Wu 59-1512  
 & Y.F.Y. Tung (1958)  
Sci.sinica, 7:1280-320  
 The development of isolated  
 blastomeres of Amphioxus

Account of experimental studies  
 intended to resolve certain  
 difficulties concerning the  
 developmental potencies of the egg of  
Amphioxus.

FAO:glk

M

Gaevskaia, N.S. (1958) 59-1513  
Zool.Zh., 37:1593-615  
 Pitanie i pishchevye sviazi zhivotnykh obitaiushechikh sredi donnoi rastitel'nosti i v beregovykh vybrosakh Chernogo moria. Soobshchenie IV. Pitanie Idothea baltica (Pallas) (Isopoda) (Nutrition and food interrelations of animals inhabiting bottom vegetation and wracks of Black Sea. Part IV. Nutrition habits of Idothea baltica Pallas, Isopoda). En

Daily feeding rythm; respiration, nature of food & its selection; caloric values of various foods.  
 FAO:tl M

Miroshnitshenko, A.Z. (1958) 59-1516  
Zool.Zh., 37:1635-44  
 Plodovitost presnovodnogo molliuska Viviparus viviparus L. (Fecundity of the fresh-water mollusc Viviparus viviparus L.). En

Size at first maturity, fecundity variation with size & season of reproduction. Use of V. viviparus for feeding carp, & transplantation into breeding ponds.

FAO:tl

F

Bogoslovskii, A.S. (1958) 59-1514  
Zool.Zh., 37:1616-23  
 Novye dannye po razmnozheniiu geterogonnykh kolovratok. Nabludeniiia za razmnozheniem Sinantherina socialis Lin. (New data on the reproduction of heterogonous rotifers. Observations on the reproduction of Sinantherina socialis Lin.). En

FAO:

F

Krykhtin, M.L. (1958) 59-1517  
Zool.Zh., 37:1694-700  
 Osobennosti nerestovoi migratsii simy Oncorhynchus masu (Brevoort) i sposoby polutseniia ee zrelykh polovykh produktov (Peculiarities of the spawning migrations of Oncorhynchus masu Brevoort and methods of obtaining its mature gonad products). En

Peculiarities of the spawning migrations & gonad product maturation of O. masu are analysed. Description of a method for obtaining high quality gonad products from the masu.

FAO:tl

MF

Murina, V.V. (1958) 59-1515  
Zool.Zh., 37:1624-34  
 K sistematike dvukh blizkikh vidov glubokovodnykh sipunkulid roda Golfingia po materialam ekspeditsii na VITIAZE v 1949-1955 gg. (On the systematics of two closely related species of the deep water sipunculids of the genus Golfingia according to the materials of the VITIAZ expeditions in 1949-1955). En

Taxonomic description of Golfingia improvisa & G. minuta & notes on their distribution in NW Pacific.

FAO:tl

M

Poddubnyi, A.G. (1958) 59-1518  
Zool.Zh., 37:1701-9  
 Usloviia razmnozheniia tsekhoni v rybinskom vodokhranilishche (Reproduction conditions of Pelecus cultratus L. in Rybinsk water reservoir). En

Description of conditions for reproduction, survival of eggs & larvae & food supply of P. cultratus L. in artificial water reservoirs.

FAO:tl

F

Shmalgauzen, I.I. (1958) 59-1519  
Zool.Zh., 37:1710-8

Nozdri rybi ikh sudba u nazemnykh  
pozvonotsnykh (Nostrils of fishes  
and their fate in terrestrial  
vertebrates). En

Comparison of the evolution of nostrils  
in fish & terrestrial vertebrates.

FAO:tl

G

Zambriborshch, F.S. (1958) 59-1522  
Zool.Zh., 37:1741-3

Predstavitel novogo dlia presnykh vod  
SSSR klassa bespozvonotsnykh-Kamptozoa  
(Urnatella dniestriensis sp.n.)  
(Representative of an invertebrate  
class - Kamptozoa - new for the fresh  
waters of the USSR, Urnatella  
dnestriensis, n. sp.). En

Diagnosis of the sp.

FAO:glk

F

Ivanov, A.V. (1958) 59-1520  
Zool.Zh., 37:1682-93

Nervnaia sistema Pogonophora  
(The nervous system of Pogonophora).  
En

FAO:

M

Konstantinov, K.G. & 59-1523  
V.D. Shchegolev (1958)

Zool.Zh., 37:1745  
Miksina u beregov Islandii (Myxine  
glutinosa of the Iceland shores).  
En

Note on the capture of a specimen of  
Myxine glutinosa near the eastern  
coast of Iceland.

FAO:tl

M

Rukhliadev, Iu.P. (1958) 59-1521  
Zool.Zh., 37:1733-9

Opyt raboty s planktonometrom na  
Volge (Experiment of the work with  
a plankton-meter on the Volga). En

Description of a plankton net with  
flow meter; its calibration & use in  
rivers.

FAO:tl

F

Vashchenko, D.M. (1958) 59-1524  
Zool.Zh., 37:1745-8

Sazan kak obekt pitaniia shchuki v  
Kakhovskom vodokhranilishche v pervyi  
god ego obrazovaniia (The carp as  
the object of pike feeding in Kakhovka  
water reservoir in the first year of  
its formation). En

Feeding of Esox lucius on Cyprinus  
carpio & suggestions on measures to be  
taken to increase the carp stock for  
commercial fishery.

FAO:tl

F



Thompson, T.G. & J.P. Tully (1958) 59-1525

Proc.Pacif.Sci.Congr., 8(3):3-21  
Report of the standing committee on  
oceanography of the Pacific

Part I contains general statement on  
the importance & the range of programs  
of oceanography in the Pacific, & some  
recommendations; Part II is a summary  
of oceanographic research & results for  
1949-1953; & Part III contains  
statements on behalf of various  
countries & institutions.

GLK:glk

M

Miller, R.C. (1958) 59-1528

Proc.Pacif.Sci.Congr., 8(3):126-9  
A new approach to the study of marine  
resources - The California  
cooperative oceanic fisheries  
investigations

Note on the arrangements between  
several organizations for the conduct  
of these investigations & the allocation  
of responsibility among them.

GLK:glk

M

Thompson, H. (1958) 59-1526

Proc.Pacif.Sci.Congr., 8(3):22-6  
Report of the standing committee on  
oceanography of the Pacific. III.  
Reports on activities of specific  
countries on research organizations -  
Oceanographic research in Australia  
since 1949

Contents as per title.

GLK:glk

M

Sette, O.E. (1958) 59-1529

Proc.Pacif.Sci.Congr., 8(3):131-48  
Nourishment of Central Pacific stocks  
of tuna by the equatorial circulation  
system

Note on water transport & circulation  
systems & on the evidence available as  
to food supply of, & the feeding by,  
tuna.

GLK:glk

M

Clemens, W.A. (1958) 59-1527

Proc.Pacif.Sci.Congr., 8(3):121-5  
Biological oceanography

Discussion of the subject matter &  
methodology of biological oceanography  
& its relations with physical & chemical  
oceanography.

GLK:glk

M

Schaefer, M.B. (1958) 59-1530

Proc.Pacif.Sci.Congr., 8(3):149-63  
Development and conservation of the  
tuna fisheries of the Pacific

Notes on fisheries for Thunnus germon,  
T. thynnus, T. orientalis, T. maccoyi,  
Neothunnus macropterus, Katsuwonus  
pelamis & Parathunnus sibi; problems  
of conservation of stocks of these spp.  
& work of I-ATTC.

GLK:glk

M

Nakamura, H. & 59-1531  
Y. Hiyama (1958)  
Proc.Pacif.Sci.Congr., 8(3):165-82  
Recent studies on tunas and marlins in Japan

Note of recent results of Japanese research on taxonomy, distribution & migration, spawning habit, age & growth & feeding habits.

GLK:glk

M

Carter, N.M. (1958) 59-1534  
Proc.Pacif.Sci.Congr., 8(3):200-7  
Some factors bearing on the utilization of marine products of the west coast of Canada

Notes on the evidence in ancient historical records of early use of fish for food & on recent history of some American fisheries.

GLK:glk

M

Marr, J.C. & 59-1532  
J.E. Böhlke (1958)  
Proc.Pacif.Sci.Congr., 8(3):183-8  
Are the world-wide declines in sardines catches related?

Discussion of fluctuations in the catch of sardine in various parts of the world & of the possibility of there being correlation between these several sets of fluctuations.

GLK:glk

M

Guillerm, J. & 59-1535  
A. Vialard-Goudou (1958)  
Proc.Pacif.Sci.Congr., 8(3):208-14  
Fabrication, definition et reglementation de la sauce de poisson vietnamienne "Nuoc-mam"  
(Manufacture, definition and regulation of the Vietnamese fish sauce "Nuoc-mam")

Description of the process of manufacture, with list of the spp. used for raw material; specification of its proximate constitution, & of Government regulations for control of its quality.

GLK:glk

M

Khan, M.R. (1958) 59-1533  
Proc.Pacif.Sci.Congr., 8(3):189-99  
The products of the sea and their exploitation and utilization in Pakistan

Notes on the fishery resources of Pakistan, the fishing industry, processing & marketing & of distribution of fish.

GLK:glk

M

Yanagawa, T. & 59-1536  
K. Tanii (1958)  
Proc.Pacif.Sci.Congr., 8(3):215-23  
Studies on agar-agar in Japan

Notes on the propagation of seaweeds used for agar-agar, the relation between jelly-strength & chemical constituents of agar-substances, rheological studies of agar-hydrosol & gel, & organic chemical investigations of agar-agar.

GLK:glk

M

Matsui, Y. (1958) 59-1537  
Proc.Pacif.Sci.Congr., 8(3):225-8  
A report on the studies made in Japan  
on pearl culture

Notes on the results of recent  
histological, biochemical, physiological  
& ecological studies of pearl oysters,  
with particular reference to pearl  
formation.

GLK:glk

M

Poulsen, E.M. (1958) 59-1540  
Proc.Pacif.Sci.Congr., 8(3):241-5  
The hake fisheries off the west coast  
of Chile

Brief notes on taxonomy, reproduction,  
growth, food & feeding habits,  
distribution & migrations of  
Merluccius gayi & M. australis.

GLK:glk

M

Kawamoto, N.Y. (1958) 59-1538  
Proc.Pacif.Sci.Congr., 8(3):229-33  
Fundamental studies on the fish lamp

Notes on physiological experiments to  
examine the relation between fish  
behaviour & light intensity & other  
factors.

GLK:glk

M

Etcheverry-Daza, H. (1958) 59-1541  
Proc.Pacif.Sci.Congr., 8(3):246-52  
Report on the algae of the Chilean  
seas

List of spp. occurring with notes on  
industrial use.

GLK:glk

M

Maeda, H. (1958) 59-1539  
Proc.Pacif.Sci.Congr., 8(3):234-40  
Coaction in lamp-communities

Brief account of the composition of  
various communities assembled under the  
stimulus of exposure to artificial  
light.

GLK:glk

M

Osorio-Tafall, B.F. (1958) 59-1542  
Proc.Pacif.Sci.Congr., 8(3):253-65  
The fisheries of Chile

Notes on resources, labour &  
equipment, production, value of the  
catch, whaling, processing industry  
& the indigenous freshwater fauna.

GLK:glk

MF



De Buen, F. (1958) 59-1543  
Proc. Pacif. Sci. Congr., 8(3):266-79  
Preliminary list of Chilean fishes and  
their vernacular names

Contents as per title.

GLK:glk

M

Panikkar, N.K. (1958) 59-1546  
Proc. Pacif. Sci. Congr., 8(3):294-302  
Oceanographical and fisheries  
research in India

Historical notes on early oceanographic  
research & on the development of the  
present phase of investigations.

GLK:glk

M

Riverps-Zúñiga, F. (1958) 59-1544  
Proc. Pacif. Sci. Congr., 8(3):280-6  
Edible shellfish of the Chilean coast

List of echinoderms, crustaceans,  
tunicates & molluscs, with notes on  
industrial value.

GLK:glk

M

Kesteven, G.L. (1958) 59-1547  
Proc. Pacif. Sci. Congr., 8(3):303-13  
Oceanography and fisheries

Definitions of the terms "oceanography"  
& "fisheries biology"; general notes  
on scope of research in fisheries  
biology & of the contributions to be  
made by oceanography to the study of  
distribution & abundance of fish & to  
the management of fisheries.

GLK:glk

M

Yañez, P.A. (1958) 59-1545  
Proc. Pacif. Sci. Congr., 8(3):287-93  
Notes on the commercially important  
fishes of Chile

Contents as per title.

GLK:glk

M

Hart, J.L. (1958) 59-1548  
Proc. Pacif. Sci. Congr., 8(3):314-20  
Factors in the utilization of Canada's  
Pacific marine resources

Notes on the spp. used, influence of  
geographical & meteorological factors,  
technological & economic  
considerations, & the contribution of  
research.

GLK:glk

M

Halstead, B.W. (1958) 59-1549  
Proc.Pacif.Sci.Congr., 8(3):321-30  
Poisonous fishes and their relationship  
to marine food resources in the Pacific  
area

Economic significance of poisonous  
fishes & discussion of the incidence  
& clinical characteristics of various  
types of poisoning.

GLK:glk

M

Powell, A.W.B. (1958) 59-1552  
Proc.Pacif.Sci.Congr., 8(3):359-63  
Marine provinces of the Indo-West  
Pacific

Proposal of a scheme with derivation  
from Ekman, 1953, & Schilder &  
Schilder, 1939.

GLK:glk

M

Kroon, A.H.J. (1958) 59-1550  
Proc.Pacif.Sci.Congr., 8(3):331-6  
Some aspects of fisheries problems in  
the South Pacific area

Discussion of some conclusions reached  
at the South Pacific Commission's  
conference on fisheries 1952.

GLK:glk

M

Bruun, A.F. (1958) 59-1553  
Proc.Pacif.Sci.Congr., 8(3):365-71  
An outline of the distribution of  
Pacific deep-sea animals

Contents as per title.

GLK:glk

M

Gosline, W.A. (1958) 59-1551  
Proc.Pacif.Sci.Congr., 8(3):347-57  
The nature and evolution of the  
Hawaiian inshore fish fauna

Notes on geography, water temperature &  
current system prefacing discussion of  
the nature of the Hawaiian fish fauna,  
with special reference to the  
characteristics of fishes endemic to  
the area, & of the causes of this  
endemism.

GLK:glk

M

Bolin, R.L. (1958) 59-1554  
Proc.Pacif.Sci.Congr., 8(3):373-7  
Deep-water biological provinces of the  
Indo-Pacific

Contents as per title.

GLK:glk

M

Johnson, M.W. (1958) 59-1555  
Proc.Pacif.Sci.Congr., 8(3):379-90  
Some outlines of plankton concentration  
in the eastern and tropical Pacific

Contents as per title.

GLK:glk

M

Schultz, L.P. (1958) 59-1558  
Proc.Pacif.Sci.Congr., 8(3):413-6  
A new approach to the distribution of  
fishes in the Indo-West Pacific area

Statement of certain results of  
comparative studies of wide-ranging  
genera, spp. & sub-spp.

GLK:glk

M

Okada, Y. & 59-1556  
S. Mawatari (1958)  
Proc.Pacif.Sci.Congr., 8(3):391-402  
Distributional provinces of marine  
bryozoa in the Indo-Pacific region

Discussion of geographical isolation,  
oceanographic & ecological factors,  
proposal of provinces of the Indo-  
Pacific region, & discussion of the  
constitution & interrelations of the  
bryozoan fauna of each sub-division.

GLK:glk

M

Domantay, J.S. (1958) 59-1559  
Proc.Pacif.Sci.Congr., 8(3):417-55  
The zoogeographical distribution of  
the Indo-Pacific littoral  
Holothurioidea

Detailed tabulation of the occurrence  
of each identified sp. in the  
recognized zoogeographical divisions  
of the Indo-Pacific.

GLK:glk

M

Knox, G.A. (1958) 59-1557  
Proc.Pacif.Sci.Congr., 8(3):403-11  
The distribution of polychaetes within  
the Indo-Pacific

Divides the Indo-Pacific into 24 areas  
& arranges the spp. into 13 groups,  
& presents a tabulation showing the  
number of spp. of the more important  
families & distribution of the groups in  
each area.

GLK:glk

M

Hardenberg, J.D.F. (1958) 59-1560  
Proc.Pacif.Sci.Congr., 8(3):457-60  
Distribution of marine fishes in south  
east Asian waters

Division of south east Asian waters  
into those of the coasts of the  
shallow seas, of the oceans & of the  
coral reefs, & discussion of the  
biological & other characteristics of  
each of these.

GLK:glk

M



Serventy, D.L. (1958) 59-1561  
Proc.Pacif.Sci.Congr., 8(3):461-87  
An analysis of the pelagic bird faunas  
of the Indo-Pacific oceans

Restatement & interpretation of known  
taxonomic & zoo-geographical facts  
concerning the elements of the Indo-  
Pacific bird fauna.

GLK:glk

M

Dell, R.K. (1958) 59-1564  
Proc.Pacif.Sci.Congr., 8(3):499-503  
The marine mollusca of the Kermadec  
islands in relation to molluscan  
faunas in the south west Pacific

Contents as per title.



GLK:glk

M

Dawson, E.Y. (1958) 59-1562  
Proc.Pacif.Sci.Congr., 8(3):489-92  
Some distribution patterns represented  
by the marine algae of Nhatrang Bay,  
Vietnam

Contents as per title.

GLK:glk

M

Wolsky, A. (1958) 59-1565  
Proc.Pacif.Sci.Congr., 8(3):505-10  
The geographical variation of early  
embryonic processes in marine eggs

Discussion of effects relevant to the  
existence of physiological egg races  
& interpretation & generalisation of  
the case of Hydroides norvegica.

GLK:glk

M

Habe, T., T. Kuroda 59-1563  
& D. Miyadi (1958)  
Proc.Pacif.Sci.Congr., 8(3):493-8  
Some problems on marine biogeographical  
micro-provinces surrounding Japan  
Discussion of the biogeographical  
significance of the Japanese bay fauna  
as compared with the littoral fauna  
of the open sea, with discussion also  
of a recent decline of continental  
coastal fauna.

GLK:glk

M

Hidaka, K. (1958) 59-1566  
Proc.Pacif.Sci.Congr., 8(3):519-56  
A theoretical study on the general  
circulation of the Pacific ocean

A theory of the general circulation of  
water in the Pacific ocean produced  
by the semi-permanent wind system  
prevailing over this ocean is  
propounded & used in the treatment of  
data on certain characteristics of  
this ocean.

GLK:glk

M

Hidaka, K. (1958) 59-1567  
Proc.Pacif.Sci.Congr., 8(3):557-70  
A contribution to the theory of  
upwelling and coastal currents

An attempt to solve mathematically  
the problem of explaining theoretically  
& of predicting the velocity & width  
of coastal currents produced by  
prevailing winds.

GLK:glk

M

Lyman, J. (1958) 59-1570  
Proc.Pacif.Sci.Congr., 8(3):609-18  
U.S. Navy contributions to the study  
of Pacific circulation

Brief account of research activities.

GLK:glk

M

Tully, J.P. & 59-1568  
L.A.E. Doe (1958)  
Proc.Pacif.Sci.Congr., 8(3):571-84  
Surface waters off the Canadian Pacific  
coast

Structure & physical properties, &  
origins & circulation of this water.

GLK:glk

M

Shoji, D. & K. Suda (1958) 59-1571  
Proc.Pacif.Sci.Congr., 8(3):619-36  
On the variation of the Kuroshio  
near the Japan islands

Note on a coldwater mass off the south  
coast of Honshu, a violent variation  
of oceanographic condition off the  
Boso peninsula & the translation of  
Kuroshio & its periodic character as  
observed by mean sea level.

GLK:glk

M

Barnes, C.A. & 59-1569  
R.G. Paquette (1958)  
Proc.Pacif.Sci.Congr., 8(3):585-608  
Circulation near the Washington coast

Brief account of some G.E.K. results  
& time studies.

GLK:glk

M

Pettersson, H. (1958) 59-1572  
Proc.Pacif.Sci.Congr., 8(3):637-41  
Sedimentation in the deep sea

Note on recent work on this subject.

GLK:glk

M

Tully, J.P. (1958) 59-1573  
Proc.Pacif.Sci.Congr., 8(3):643-64  
Some characteristics of sea water  
structure

Notes from examination of data from  
2,000 serial observations in oceanic  
& coastal waters, indicating that sea  
water occurs in zones of appreciable  
thickness with respect to each  
property, & that within each zone the  
property tends to be a simple function  
of the logarithm of depth,

GLK:glk

M

Wooster, W.S. (1958) 59-1576  
Proc.Pacif.Sci.Congr., 8(3):679-83  
Recent oceanographic exploration in the  
North and Equatorial Pacific ocean

Notes on the itineraries of various  
vessels in the area.

GLK:glk

M

Uda, M. (1958) 59-1574  
Proc.Pacif.Sci.Congr., 8(3):663-72  
On the circulation in the North Pacific  
in relation to pelagic fisheries

Summary statement of 3 types of pelagic  
fishing grounds identified hydro-  
logically.

GLK:glk

M

Emery, K.O. (1958) 59-1577  
Proc.Pacif.Sci.Congr., 8(3):685  
Basin waters of Southern California

Abstr. only. Examination of relation  
between temperature & sill depth.

GLK:glk

M

Graham, H.W. (1958) 59-1575  
Proc.Pacif.Sci.Congr., 8(3):673-8  
The topography of the sea surface in  
the region of the Philippines

Charts showing the dynamic topography  
at the surface for each season.

GLK:glk

II

Barnes, C.A., J.H. Lincoln 59-1578  
& M. Rattray, Jr. (1958)  
Proc.Pacif.Sci.Congr., 8(3):686-704  
An oceanographic model of Puget Sound

Description of the area & of the model  
& of its operation, with account of the  
results obtained in the model for  
representation of prototype tide &  
current.

GLK:glk

M



Hollister, H.J. (1958) 59-1579  
Proc.Pacif.Sci.Congr., 8(3):705-19  
Daily seawater observations on the  
Pacific coast of Canada

Organization for these observations,  
with discussion of climate in the sea,  
the monitoring of oceanographic  
conditions & the use that can be made  
in fishery investigations of daily sea  
water observations.

GLK:glk

M

Rochford, D.J. (1958) 59-1582  
Proc.Pacif.Sci.Congr., 8(3):745-70  
Secular trends at east Australian  
coastal stations: 1942-1952

Discussion of factors possibly having  
importance in the genesis of these  
trends & of the association of  
meteorological & dynamical changes  
with them.

GLK:glk

M

Bader, R.G. (1958) 59-1580  
Proc.Pacif.Sci.Congr., 8(3):721-32  
A study of local variability in marine  
sediments

Some initial results of a study of the  
problem of sampling marine sediments.

GLK:glk

M

U.S. Coast & Geodetic 59-1583  
Survey (1958)  
Proc.Pacif.Sci.Congr., 8(3):771-5  
Recent developments in tidal and  
tidal current measurements

Brief notes on some equipment.

GLK:glk

M

Miyazaki, M. (1958) 59-1581  
Proc.Pacif.Sci.Congr., 8(3):733-42  
Secular variation of the annual mean sea  
level along the Japanese coasts

Analysis of the time series of annual  
mean sea level computed for 11 stations  
along the Japanese coast, &  
investigation on the basis of these  
data of secular tide variations.

GLK:glk

M

Kawamoto, T. (1958) 59-1584  
Proc.Pacif.Sci.Congr., 8(3):777-9  
On the minimum oxygen layer in the  
North Pacific ocean

Brief note on the occurrence of this  
layer.

GLK:glk

M

Miyake, Y., Y. Sugiura 59-1585  
& K. Kameda (1958)  
Proc.Pacif.Sci.Congr., 8(3):781-6  
A study on the property of the coastal  
water around Hachijo islands

Contents as per title.

GLK:glk

M

Schweigger, E. (1958) 59-1588  
Proc.Pacif.Sci.Congr., 8(3):801-16  
Abnormal summers in the Peruvian  
coastal current

Contents as per title.

GLK:glk

M

Nakano, M., M. Koizumi 59-1586  
& J. Fukuoka (1958)  
Proc.Pacif.Sci.Congr., 8(3):787-96  
On the oceanographical conditions of  
the sea near the fixed point, 153°E,  
39°N, in the North Pacific ocean

Temperature, chlorinity, water colour,  
transparency & plankton volume.

GLK:glk

M

Ishibashi, M., T. 59-1589  
Shigematsu & Y. Nakagawa (1958)  
Proc.Pacif.Sci.Congr., 8(3):817-20  
Quantitative determination of tungsten  
and molybdenum in sea water

Description of the techniques.

GLK:glk

M

Morita, Y. (1958) 59-1587  
Proc.Pacif.Sci.Congr., 8(3):797-9  
Distribution of copper and zinc in sea  
water

Results of observations in the Kuroshio  
area & in Sagami & Suruga bays.

GLK:glk

M

Tsu-yao, C. (1958) 59-1590  
Proc.Pacif.Sci.Congr., 8(3):821-35  
A study on temperature and salinity  
of the surrounding waters of Taiwan

Contents as per title.

GLK:glk

M

Nan'niti, T. (1958) 59-1591  
Proc.Pacif.Sci.Congr., 8(3): 337-41  
On the fluctuation of the Kuroshio  
and the Oyasiwo

Contents as per title.

GLK:glk

II

Svårdson, G. (1957) 59-1594  
Svensk FiskTidskr., 66:1-3  
Sikar och siklöjor, inte två men sju  
olika fiskar ("Big" and "small"  
whitefishes, not two but seven different  
fishes)

Popular review of the taxonomy of  
Coregonus sp.

FAO:tl

F

Hanzawa, M. & 59-1592  
T. Tsuchida (1958)  
Proc.Pacif.Sci.Congr., 8(3):843  
A report on the oceanographical  
observations in the Antarctic ocean  
carried out on board the Japanese  
whaling fleet during the years 1946-52

Abstr. only.

GLK:

M

Lindström, T. (1957) 59-1595  
Svensk FiskTidskr., 66:4-6  
Sjöregleringar och fiske (The  
regulation of lakes and fishery)

Review of the influence of regulation  
of lake levels on the fishery.

FAO:tl

F

Suda, K. (1958) 59-1593  
Proc.Pacif.Sci.Congr., 8(3):845-50  
A new Japanese G.E.K.

Description of the equipment & its  
operation.

GLK:glk

M

Berg, S.E. (1957) 59-1596  
Svensk FiskTidskr., 66:6-7  
Laxperioderna i Norrlandsälvarna  
(Salmon periods in the rivers of  
Norrland)

Data on variation of salmon catches  
in rivers Umeälv & Ångermanälv from  
1800 to 1950.

FAO:tl

MF



Thomson, J.A. (1958) 59-1597  
Progr.Rep.Pacif.Cst Stas, (111):3-8  
Biological effects of the Ripple Rock explosion

Study of the effects on fish, Ophiodon elongatus, Parophrys vetulus & other spp., held in cages at various distances from the site of the explosion & on fish killed by the explosion & collected on the surface.

HR:glk

M

Wickett, W.P. (1958) 59-1600  
Progr.Rep.Pacif.Cst Stas, (111):18-9  
Adult returns of pink salmon from the 1954 Fraser river planting

Further report of the results of experimental transplantation of pink salmon eggs to Jones Creek, tributary to the lower Fraser river. The degree of homing is discussed, as are sex ratio, timing of run & survival.

HR:glk

MF

Outram, D.N. (1958) 59-1598  
Progr.Rep.Pacif.Cst Stas, (111):9-13  
The magnitude of herring spawn losses due to bird predation on the west coast of Vancouver island

Determination of the quantities of eggs of Clupea pallasii which are consumed by sea birds. Control area was covered by netting. Examinations of stomach content of birds was also done. Attempts were made to determine the annual changes of bird predation on spawn.

HR:tl

M

Forrester, C.R. (1958) 59-1601  
Progr.Rep.Pacif.Cst Stas, (111):20-1  
The recent rise in landings of whole fish for mink feed in British Columbia

Account of the increase since 1951 of otter trawl landings of whole fish for use on fur farms. Catch of sp. composition & origin of this scrap-fish is given.

HR:glk

M

Milne, D.J. & 59-1599  
E.A.R. Ball (1958)  
Progr.Rep.Pacif.Cst Stas, (111):14-8  
The tagging of spring and coho salmon in the strait of Georgia in 1956

Account of results of tagging carried out to obtain further information on the seasonal movements & the extent of the fishing on these inside fish. Fishing was carried out by trolling & the efficiency of different types of lures was compared.

HR:glk

MF

Hollister, H.J. (1958) 59-1602  
Progr.Rep.Pacif.Cst Stas, (111):22  
Canadian ocean drift bottle recovered in Hawaii

Note on the recovery & discussion of the evidence it presents on current movements.

HR:glk

M

Hannerz, L. (1958) 59-1603  
Svensk FiskTidskr., 67:112-4  
Bedömning av skada på fisket i  
reglerade sjöar (Estimation of  
damage to fisheries in regulated lakes)

Notes on principles applied in the  
estimation of compensation to be paid  
to fishermen & the owners of fishery  
rights in the lakes.

FAO:tl

F

Stjerna-Pooth, I. (1958) 59-1606  
Svensk FiskTidskr., 67:122-3  
Branchiobdella - en för Sverige ny  
kräftparasit (Branchiobdella - a  
crayfish parasite new to Sweden)

Description of the parasite & damage  
to crayfish caused by it.

FAO:tl

F

Molin, G. (1958) 59-1604  
Svensk FiskTidskr., 67:114-8  
Färg - Fisklighet (Colour -  
fishability)

Influence of colour (of nets) on the  
catching power of these nets for  
different fish spp.

FAO:tl

M

Hannerz, L. (1958) 59-1607  
Svensk FiskTidskr., 67:133-5  
Atomavfall och fiske (Atomic waste  
and fishery)

Popular review of the possible  
influence of the disposal of radio-  
active wastes in natural bodies of  
water on the fish & fishery.

FAO:tl

MF

Tägtström, B. (1958) 59-1605  
Svensk FiskTidskr., 67:118-20  
Ett försök med regnbågsforell i  
Ångermanland (An experiment with  
rainbow trout in Ångermanland)

Notes on successful transplantation of  
rainbow trout into natural waters in  
northern Sweden.

FAO:tl

F

Hallgren, A. (1958) 59-1608  
Svensk FiskTidskr., 67:136  
Ett försök med rotenon i Bohuslän  
(An experiment with rotenone in  
Bohuslan)

Notes on an experiment with rotenone  
in a small forest lake.

FAO:tl

F

Sellerberg, G. (1958) 59-1609  
Svensk FiskTidskr., 67:138-9  
 Kräftpesten i augusti 1958 (Cray-  
 fish pest in August 1958)

Notes on the distribution of the  
 disease in Sweden.

FAO:tl

F

Furnestin, J. & al. (1958) 59-1612  
Rev.Trav.Off.Pêches marit., 22:383-493  
 Données nouvelles sur les poissons du  
 Maroc Atlantique (New data on the  
 fishes of the Atlantic Morocco)

An ill. catalogue giving specific  
 characters, geographical distribution  
 & abundance of 169 spp.

FAO:hr

M

Svensson, P.-Y. (1958) 59-1610  
Svensk FiskTidskr., 67:140-1  
 Mer om fräftigeln Branchiobdella  
 (More on crayfish leech Branchiobdella)

Notes on the occurrence of the leech in  
 Sweden & on non-malignant nature of the  
 parasite.

FAO:tl

F

Szilard, L. (1959) 59-1613  
Proc.nat.Acad.Sci., U.S., 45(1):30-45  
 On the nature of the aging process

A mathematical model, to which some  
 data are referred, for a hypothetical  
 biological process of random chromosome  
 destruction & progressive inactivation  
 of somatic cells to account for  
 natural death & senescence.

FAO:sjh

G

Böhlke, J.E. (1958) 59-1611  
Bull.Fla St.Mus., 3(4):173-8  
 Studies on fishes of the family  
 Characidae. No. 16. A new Hyphessobrycon  
 from Costa Rica

While it is thought to be really chose  
 to none of the other known members of  
 the genus, Hyphessobrycon compressus  
 Meek & H. milleri Durbin are probably  
 its closest allies. The sp. is also  
 compared with the rhoadsiine, Rhoadsia  
eigenmanni Meek, from near the same  
 geographic locality.

FAO:jeb

F

Lowe, R.H. (1959) 59-1614  
Proc.zool.Soc.Lond., 132(1):1-30  
 Breeding behaviour patterns and  
 ecological differences between Tilapia  
 species and their significance for  
 evolution within the genus Tilapia  
 (Pisces: Cichlidae)

Detailed comparative study based on  
 observations at L. Nyasa & L. Victoria,  
 & other localities in E. & Central  
 Africa.

FAO:sjh

F



Gauld, D.T. (1959) 59-1615  
Proc.zool.Soc.Lond., 132(1):31-50  
Swimming and feeding in crustacean  
larvae: the Nauplius larva

Method of locomotion, & feeding  
activity observed, by direct & photo-  
graphic methods, of Artemia, Balanus,  
Calanus, Temora, Euchaeta, Acartia,  
Oithona, Meganyctiphanes & Thysanoessa.

FAO:sjh

MF

Canada. Department of 59-1618  
Fisheries (1958)  
Ottawa, 17 p.  
Trade News vol. 11, no. 6

Incl. notes of 1958 activities of  
INPFC, North Pacific Fur Seal  
Commission, GLFC. Canadian production  
statistics for October 1958, fisheries  
news from abroad, bibliographic notes;  
incl. also 59-1619.

FAO:sjh

MF

Ross, D.M. (1959) 59-1616  
Proc.zool.Soc.Lond., 132(1):83-98  
The response to light in Ichthyophis  
(Amphibia-Apoda) from Ceylon

Incl. short discussion of photo-  
reception in other forms with reduced  
or absent eyes, such as lampreys,  
Myxine, Ciona.

FAO:sjh

MF

Kinloch, J. (1958) 59-1619  
Trade News, 11(6):5-7  
Adams river run B.C. "bonanza"

Note on the good 1958 sockeye salmon  
run, & its consequences.

FAO:sjh

MF

Jackson, P.B.N. (1959) 59-1617  
Proc.zool.Soc.Lond., 132(1):109-28  
Revision of the clariid catfishes of  
Nyasaland, with a description of a new  
genus and seven new species

Measurements, ecological notes, ill.,  
keys to spp. of Clarias & of  
Bathyclarias gen. nov.

FAO:sjh

F

Bauch, G. (1958) 59-1620  
Z.Fisch., 7:161-437  
Untersuchungen über die Gründe für den  
Ertragsrückgang der Elbfischerei  
zwischen Elbsandsteingebirge und  
Boizenburg (Investigations into the  
causes of the decrease in the yield of  
the fisheries in the Elbe river  
between the Elbsandsteingebirge and  
Boizenburg)

Monographic account of this river  
system & its fisheries giving a  
description of the different kinds of  
water along its course, report of

59-1620  
(Card 2)

commercial & biological research, systematic & biological notes on the fish spp. occurring, & technological & other account of the fisheries.

FAO:glk

F

Hegemann, M. (1958)

59-1624

Z.Fisch., 7:459-76

Beiträge zur Biologie des Hechtes im Brackwassergebiet des Greifswalder Boddens (Contribution to the biology of the pike of the brackish water region Greifswalder Bodden).  
En Ru

Nutrition, sexual maturity, spawning season, growth in length & weight, of 1 - 5yr. old pike, Esox lucius L., from this shallow bay of the Baltic, with analysis of condition factor & comparison with similar data from nearby lakes.

FAO:glk

MF

Kocyłowski, B. (1958) . 59-1622

Z.Fisch., 7:439-46

Experimentelle Untersuchungen über die ansteckende Bauchwassersucht der Karpfen und die Massnahmen zur Bekämpfung dieser Krankheit in der Polnischen Volksrepublik  
(Experimental investigations into contagious dropsy, and the means of combatting this disease in the Polish Peoples Republic)

General survey of the haematological, ecological & other aspects of the occurrence & treatment of this disease. There is, however, no bibliography.

FAO:glk

F

Duellman, W.E. &

59-1625

A. Schwartz (1958)

Bull.Fla St.Mus., 3(5):181-325

Amphibians and reptiles of southern Florida

The 85 spp. of reptiles & amphibians known to occur in southern peninsular Florida & the Florida keys are treated systematically. The discussion for each sp. incl. data on variation, ecology, life history, habits & distribution.

FAO:hr

MF

Münnich, H. (1958)

59-1623

Z.Fisch., 7:447-58

Zusammenhänge zwischen dem Sauerstoffgehalt des Wassers und dem Blutzuckerspiegel des Karpfens (Cyprinus carpio L.) (Correlation between the oxygen content of water and the amount of blood sugar of carp, Cyprinus carpio L.).  
En Ru

Measurement of blood sugar value of carp submitted to various levels of oxygen supply, from normal oxygen condition to asphyxia, with special reference to conditions prevailing during transport of the fish.

FAO:glk

MF

U.S. Bureau of Commercial . 59-1626

Fisheries, Alaska Region (1958)

Spec.sc.Rep.U.S.Fish Wildl.Serv., (258):  
22 p.

Progress report on Alaska fisheries management and research 1957

Reviews activities & results with regard to N. Pacific fisheries for Oncorhynchus spp., Clupea pallasii, king crabs & shrimps.

WAD:sjh

MF

Morton, J.E. (1958) 59-1627  
Hutchinson & Co., London, 232 p.  
Molluscs

An introduction to their form & functions in the light of present day studies of the living animals.

Discusses the basic structure & evolutionary origin of the Mollusca & shows how the 6 classes of living molluscs have arisen.

:cmv

MF

Brooks, J.L. (1957) 59-1630  
Mem.Conn.Acad.Arts Sci., 13:180 p.  
The systematics of North America  
Daphnia

F

Yonge, C.M. (1959) 59-1628  
Nature, Lond., 183:3  
The living molluscs

Review of 59-1627.

GLK:wad

MF

Harding, J.P. (1959) 59-1631  
Nature, Lond., 183:93-4  
The genus Daphnia

Review of 59-1630.

GLK:wad

F

Pugh, L.G.C.E. (1959) 59-1629  
Nature, Lond., 183:74-6  
Carbon monoxide content of the blood and other observations on Weddell seals

Tabulation of measurement of carbon monoxide content of the blood of Weddell seals & comparison with human non-smokers. The origin of the features disclosed is discussed & these are related to the physiology of the seals as determined by their living conditions.

GLK:glk

M

Grosch, D.S. & 59-1632  
M.E. Plumb (1959)  
Nature, Lond., 183:122-3  
Biology - A sex difference in radio-activity of Artemia cultured in sea water containing phosphorus-32

Describes experiments with adult brine shrimps.

GLK:wad

MF



Scottish Marine Biological Association (1958) 59-1633  
Millport, 34 p.  
Annual report 1957-58

Staff movements, use of research vessel; summary of works finished or in progress, with notes on principal results; list of publications; list of members.

GLK:tl

M

Grey, M. (1958) 59-1636  
Fieldiana, Zool., 39(16):149-83  
Descriptions of abyssal benthic fishes from the Gulf of Mexico

M

Ege, V. (1958) 59-1634  
Dana Rep., (47):19 p.  
Omosudis Günther, bathypelagic genus of fish

M

Wilson, D.P. (1959) 59-1637  
Nature, Lond., 183:140  
British marine fishes  
Review of 585797.

GLK:wad

M

De Sylva, E.R.A. (1958) 59-1635  
Bull. Ceylon Fish., (7):24 p.  
Mechanization of fishing craft and the use of improved fishing gear

M

Macan, T.T. (1959) 59-1638  
Nature, Lond., 183:161-2  
Water pollution research, 1957  
Review of 584520.

GLK:wad

F

Matthews, L.H. (1959) 59-1639  
Nature, Lond., 183:202  
Salt excretion in marine birds

Describes observations of what is presumed by the author to be this phenomenon in Macronectes giganteus.

GLK:wad

M

Moore, J.W. (1959) 59-1642  
Nature, Lond., 183:265-6  
Excitation of the squid axon membrane in isosmotic potassium chloride

A preliminary study of the approximate steady-state voltage-current relationship for the squid Loligo pealii, giant axon membrane in 0.5 M potassium chloride.

GLK:jwm

M

Kanazawa, R.H. (1958) 59-1640  
Proc.U.S.nat.Mus., 108(3400):219-67  
A revision of the eels of the genus Conger with descriptions of four new species

M

Triplett, E.L., J.E. Cushing 59-1643  
& G.L. Durall (1958)  
Amer.Nat., 92:287-93  
Observations on some immune reactions of the sipunculid worm Dendrostomum zostericum

Gives the results of some experiments investigating the responses of the worm to materials placed in its coelom. The relation of our observations to the study of antibody production by invertebrates is considered in the discussion.

FAO:elt

M

Stewart, H.B., Jr., B.D. 59-1641  
Zetler & C.B. Taylor (1958)  
Tech.Bull.U.S.Cst geod.Surv., (3):11 p.  
Recent increases in coastal water temperature and sea level - California to Alaska

LI

Bruce, V.G. & 59-1644  
C.S. Pittendrigh (1958)  
Amer.Nat., 92:295-306  
Resetting the Euglena clock with a single light stimulus

Reports the details of some investigations on the rhythm of phototactic response in a single-celled microorganism, the flagellate Euglena gracilis.

FAO.vgb

F

GFCM (1958) 59-1645

FAO, Rome,

Working documents - 5th meeting.

En Fr

Contains papers on: study of Mediterranean clupeidae, standardisation of biometric & observational methods for sardine research, tuna tagging & research, study of trawling in the Mediterranean, methods & gear for tuna fishing, & shrimp fishing, classification of boats & fishing gears, fish culture, common names, & some technological & economic questions.

SJH:glk

MF

GFCM (1958) 59-1648

Work.Doc.G.F.C.M., (A-2):11 p.

Clupeidae - Standardization of biometric and observation methods.

En Fr

Compilation of documents on 570501.

SJH:sjh

M

Dementieva, T. (1958) 59-1646

Work.Doc.G.F.C.M., 2 p.

A propos du manuel "Standardisation des méthodes d'étude biométrique et d'observation des clupéidés, en particulier de la sardine" (A propos the manual "Standardisation . . .")

Commentary on 570501.

SJH:sjh

M

GFCM (1958) 59-1649

Work.Doc. G.F.C.M., (A-3):5 p.

Tunas -(tagging). En Fr

Compilation of responses to questionnaire regarding suitable tags & method of marking Thunnus thynnus.

SJH:sjh

M

Larrañeta, G. (1958) 59-1647

Work.Doc.G.F.C.M., (A-1):10 p.

Clupeidae - Study programme. En Fr

Note on implementation of programme of studies of clupeidae, with comment by R. Mužinić.

SJH:sjh

M

Belloc, G. (1958) 59-1650

Work.Doc.G.F.C.M., (A-4):4 p.

Standardisation des méthodes d'étude biométrique des thonidés (Standardization of biometric study on tunas)

Compilation of replies to correspondence on this question.

SJH:sjh

M



Schärfe, J. (1958) 59-1651  
Work.Doc.G.F.C.M., (B-1):14 p.  
Mediterranean trawl study. En Fr

Note on tests by Israeli Government  
in co-operation with FAO to study the  
action of the Mediterranean-type trawl.

SJH:sjh

M

GFCM (1958) 59-1654  
Work.Doc.G.F.C.M., (B-6):1 p.  
Classification of boats and fishing  
gear. En Fr

Compilation of replies received from  
France, Spain & Turkey, to a  
questionnaire on this matter.

SJH:sjh

M

Iyigüngör, D. (1958) 59-1652  
Work.Doc.G.F.C.M., (B-2):10 p.  
Methods and gear for the catching of  
tuna. En Fr

Compilation of replies to questionnaire  
on this matter from Israel, Spain,  
Tunisia & Yugoslavia.

SJH:sjh

M

France. Merchant Navy, Sea 59-1655  
Fisheries Division (1958)  
Work.Doc.G.F.C.M., (B-10):4 p.  
Damage to fishing gear caused by  
porpoises. En Fr

A note on this problem.

SJH:sjh

M

Iyigüngör, D. (1958) 59-1653  
Work.Doc.G.F.C.M., (B-3):6 p.  
Methods and gear for the fishing of  
shrimps. En Fr

Compilation of replies to questionnaire  
on this matter from Israel, Spain,  
Tunisia & Yugoslavia.

SJH:sjh

M

GFCM (1958) 59-1656  
Work.Doc.G.F.C.M., (D-2):19 p.  
Fish culture techniques. En Fr

Compilation of replies to  
questionnaire on the importance of fish  
culture, spp. & areas stocked, etc.  
in member countries.

SJH:sjh

F

D'Ancona, U. (1958) 59-1657  
Work.Doc.G.F.C.M., (D-3):8 p.  
Valliculture. En Fr

Compilation of information on the survey of saline lagoons in the region, culture & capture methods, water renewal devices, & artificial feeding & reproduction of Mugil cephalus.

SJH:sjh

MF

Zupanović, (1958) 59-1660  
Work.Doc.G.F.C.M., (E-4):4 p.  
Biological data

Compilation of replies by member countries to questionnaire concerning biological data in relation to statistics of catches of pelagic fish in the region.

SJH:sjh

M

GFCM (1958) 59-1658  
Work.Doc.G.F.C.M., (E-1):22 p.  
Catalogue of fish names. En Fr

List of scientific & common names in each country of marine & freshwater fishes in the region, & in the Marmara & Black seas.

SJH:sjh

MF

Woods Hole 59-1661  
Laboratory (1958)  
Woods Hole, Mass., 78 p.  
Annual report for the year ending June 30, 1958

Report on selected items of research. Details of vessels & shore facilities, lists staff & publications; reports by their leaders, of projects under headings:  
cod, flounder studies, haddock, industrial fishery, redfish, sea scallops, scup, whiting; population dynamics, bottom

GFCM (1958) 59-1659  
Work.Doc.G.F.C.M., (E-2):7 p.  
Catalogue of names of crustaceans.  
En Fr

List of scientific & common names used in each member country.

SJH:sjh

MF

59-1661  
(Card 2)  
ecology, fish behaviour, electronics, plankton ecology, port sampling & tagging.

SJH:sjh

M

Nan'niti, T. & A. Okubo (1957) 59-1663  
J.oceanogr.Soc.Japan, 13:1-4.  
 (An example of the diffusion of a  
 floating dye patch in the sea).  
Ni En

Experimental determination of eddy  
 diffusion & application of Inoue-  
 Ogura formula on the observed data.

FAO:tl

M

Fukase, S. (1957) 59-1666  
J.oceanogr.Soc.Japan, 13:17-21  
 Note on a variety of Eucalanus  
subtenuis Giesbrecht from the  
 Japanese waters

Taxonomic description of the sp.

FAO:tl

M

Nan'niti, T. & 59-1664  
 M. Yasui (1957)  
J.oceanogr.Soc.Japan, 13:5-6  
 (Fluctuations of water temperature off  
 Turumi, Yokohama). Ni En

Examination of the fluctuations of  
 temperature caused by tidal currents,  
 & internal waves.

FAO:tl

M

Kitou, M. & 59-1667  
 O. Asaoka (1957).  
J.oceanogr.Soc.Japan, 13:23-7  
 (Seasonal variation of phytoplankton  
 at the ocean weather station "X" (1950-  
 1952) - 2). Ni En

Seasonal occurrence of different spp.;  
 comparison of the sp. composition of  
 communities in 1951 & 1952.

FAO:tl

M

Ueda, S. (1957) 59-1665  
J.oceanogr.Soc.Japan, 13:7-15  
 Chemical studies on the ocean - LXV.  
 Chemical studies of the shallow-water  
 deposits - 18. On the chemical  
 constituents of the shallow-water  
 deposits along the sea-coasts of Osaka,  
 Kyoto & Fukui prefectures, & the  
 generalized consideration of the  
 shallow-water deposits in Japan Proper

Data on chemical composition of the  
 deposits & discussion of horizontal  
 distribution of various chemical  
 constituents.

FAO:tl

M

Ohwada, M. (1957) 59-1668  
J.oceanogr.Soc.Japan, 13:29-34  
 Diatom communities in the Okhotsk sea,  
 principally on the west coast of  
 Kamchatka, spring to summer 1955

Account of the occurrence of different  
 dominant spp. & possible influence of  
 environmental conditions on the  
 composition of communities.

FAO:tl

M



Miyazaki, M. & 59-1669  
M. Nakano (1957)  
J.oceanogr.Soc.Japan, 13:51-6  
(Tides and tidal currents in the  
Akashi straits - II.). Ni En

Computation of principal tidal  
constituents & comparison of  
theoretical patterns of tide & tidal  
current with the observed ones.

FAO:t1

M

Ueda, S. (1957) 59-1672  
J.oceanogr.Soc.Japan, 13:67-72  
(Cheical studies on the ocean - LXVII.  
Chemical studies of the shallow-water  
deposits - 20. Radium content of the  
shallow-water deposits (2) ).  
Ni En

Data on radium content of 73 bottom  
samples from Japanese coast.  
Discussion on the relation between  
the content of radium & other  
constituents of the sediments.

FAO:t1

M

Fukuoka, J. (1957) 59-1670  
J.oceanogr.Soc.Japan, 13:57-60  
On the Tsushima current

Description of the flow pattern;  
influence of bottom topography &  
application of simple vorticity equation  
to the Tsushima current.

FAO:t1

M

Uyeno, F. (1957) 59-1673  
J.oceanogr.Soc.Japan, 13:73-8  
(The variation of diatom communities  
and the schematic explanation of their  
increase in Osaka bay in summer - I.  
Classification of communities and the  
fluctuation of their quantities).  
Ni En

Contents as per title.

FAO:t1

M

Ueda, S. (1957) 59-1671  
J.oceanogr.Soc.Japan, 13:61-5  
(Cheical studies on the ocean - LXVI.  
Chemical studies of the shallow-water  
deposits - 19. Radium content of the  
shallow-water deposits). Ni En

Data on radium content of 67 bottom  
samples from Korean & Japanese coasts.

FAO:t1

M

Uyeno, F. (1957) 59-1674  
J.oceanogr.Soc.Japan, 13:79-84  
(The variation of diatom communities  
and the schematic explanation of their  
increase in Osaka bay in summer - II.  
Relation between the distribution of  
diatoms and the sea conditions).  
Ni En

Analysis of the relations between the  
occurrence of diatom communities &  
chlorinity of the corresponding water  
mass.

FAO:t1

M

Ueda, S. (1957) 59-1675  
J.oceanogr.Soc.Japan, 13:93-7  
 (Chemical studies on the ocean - LXVIII.  
 Chemical studies of the shallow-water  
 deposits - 21. Vanadium and chromium  
 contents of the shallow-water deposits.  
 (1) ). Ni En

Data on vanadium & chromium content of  
 81 bottom samples from Japanese coast.

FAO:t1

M

Kitou, M. (1957) 59-1678  
J.oceanogr.Soc.Japan, 13:111-3  
 Notes on a certain marine diatom

Description of an unnamed diatom sp.  
 & its distribution, with suggestion  
 to use this sp. as indicator of  
 coastal waters.

FAO:t1

M

Ueda, S. (1957) 59-1676  
J.oceanogr.Soc.Japan, 13:99-106  
 (Chemical studies on the ocean - LXIX.  
 Chemical studies of the shallow-water  
 deposits - 22. Vanadium and chromium  
 contents of the shallow-water deposits.  
 (2) ). Ni En

Data on vanadium & chromium content of  
 59 bottom samples from Japanese &  
 Korean coasts. Discussion on the  
 distribution of these elements in  
 various types of sediments. Results of  
 chemical analysis of different grain  
 size fractions of the sediments.

FAO:t1

M

Hidaka, K. & 59-1679  
 H. Iida (1957)  
J.oceanogr.Soc.Japan, 13:123-6  
 On the influence of the earth's  
 rotation and the dimension of the  
 oceans

Theoretical examination of the  
 minimum dimensions of the ocean when  
 the effect of earth's rotation becomes  
 prominent on the circulation of  
 water masses.

FAO:t1

M

Uyeno, F. (1957) 59-1677  
J.oceanogr.Soc.Japan, 13:107-10  
 (The variation of diatom communities and  
 the schematic explanation of their  
 increase in Osaka bay in summer - III.  
 Schematic explanation of increase of  
 diatoms in relation to the distribution  
 of chlorinity). Ni En

Theoretical examination of the relations  
 between the abundance of diatoms,  
 chlorinity & water temperature.

FAO:t1

M

Yoshida, K. & 59-1680  
 M. Tsuchiya (1957)  
J.oceanogr.Soc.Japan, 13:127-9  
 Note on the thermosteric anomaly

Revaluation of the simplified  
 Montgomery-Wooster method for  
 computation of dynamic height anomaly  
 using as reference the temperature at  
 600 m level.

FAO:t1

M

Kawakami, K. (1957) 59-1681  
J.oceanogr.Soc.Japan, 13:131-7  
 (The report of the drift-bottle  
 experiments at the west entrance of  
 Tugaru strait, Hokkaido, Japan. I.).  
 Ni En

Report of the recoveries of the drift  
 bottles & conclusions on seasonal  
 variations of the branching of the  
 current in Tugaru strait from the  
 Tusima current.

FAO:t1

M

Kawarada, Y. (1957) 59-1684  
J.oceanogr.Soc.Japan, 13:151-5  
 A contribution of microplankton  
 observations to the hydrography of  
 the northern North Pacific and  
 adjacent seas - II. Plankton diatoms  
 in the Bering sea in the summer of 1955

Quantitative distribution; distribution  
 of communities in various water  
 masses & notes on vertical distribution  
 of 4 stations.

FAO:t1

M

Okubo, A. (1957) 59-1682  
J.oceanogr.Soc.Japan, 13:139-44  
 (A note on the super- and under-  
 saturation of dissolved oxygen in  
 surface waters -- The distribution of  
 dissolved oxygen in the sea east of  
 Honshu, Japan - II.). Ni En

Examination of the influence of phyto-  
 plankton on the oxygen content of  
 surface waters.

FAO:t1

M

Veronis, G. (1958) 59-1685  
J.oceanogr.Soc.Japan, 14:1-5  
 On the transient response of a -  
 plane ocean

Theoretical mathematical consideration  
 of the response of non-uniformly  
 rotating ocean to the localized wind  
 stress. Coriolis force is considered  
 to be linear function of latitude,  
 when differentiated, but is taken  
 to be constant when un-differentiated.

FAO:t1

M

Amano, M. (1957) 59-1683  
J.oceanogr.Soc.Japan, 13:145-50  
 (The distribution of plankton diatoms  
 in relation to oceanographic  
 conditions in the sea east of  
 Kinkazan in 1952). Ni En

Seasonal variations in the sp.  
 composition & quantitative distribution  
 of diatoms in the boundary areas of  
 Kuroshio & Oyashio.

FAO:t1

M

Miyazaki, M. (1958) 59-1686  
J.oceanogr.Soc.Japan, 14:7-9  
 Note on the zonal circulation in the  
 Antarctic ocean

Description of the change of main  
 axis of Kuroshio & meandering of the  
 current, & the influence of bottom  
 & coastal topography on this meandering

FAO:t1

M



Fukuoka, J. (1958) 59-1687  
J.oceanogr.Soc.Japan, 14:11-4  
On the Kuroshio near the Izu islands

Examination of mechanism which  
balances the wind stress of zonal  
winds to achieve zonal circulation of  
currents.

FAO:tl

M

Lavrov, V.V. (1958) 59-1690  
C.R.Acad.Sci.U.R.S.S., 122:570-3  
Priroda masshtabnogo effekta u l'da  
i prochnost' ledianogo pokrova  
(The nature of the scale effect in ice  
and the strength of the ice cover)

Annotation to follow.

FAO:

M

Unoki, S. & 59-1688  
M. Nakano (1958)  
J.oceanogr.Soc.Japan, 14:15-23  
(Estimation of storm waves caused by  
typhoons at Gozen-iwa and Gotô-nada).  
Ni En

Investigation of the conditions of  
generation of large waves & estimation  
of possible maximum wave height as  
basic data for construction of an  
offshore lighthouse.

FAO:tl

M

Korotkevich, V.S. (1958) 59-1691  
C.R.Acad.Sci.U.R.S.S., 122:578-81  
Raspredelenie planktona indiiskogo  
sektora antarktiki (The  
distribution of plankton in the Indian  
sector of the Antarctic)

Annotation to follow.

FAO:

M

Yamamoto, H. (1958) 59-1689  
J.oceanogr.Soc.Japan, 14:25-9  
(Oceanographical studies on Japanese  
inlets. I. Discontinuous layers in  
Urado bay). Ni En

Classification of Japanese inlets.  
Investigation of the formation of  
discontinuity layers in inlets, their  
sharpness, & mixing processes taking  
place in them.

FAO:tl

M

Delone, N.L. (1958) 59-1692  
C.R.Acad.Sci.U.R.S.S., 122:582-5  
Chuvstvitelnost' k rentgenovskomu  
izlucheniuiu mikroskop Tradescantia  
paludosa na raznykh fazakh nervogo  
postmeioticheskogo mitotza (The  
sensitivity to x-radiation of  
Tradescantia paludosa at different  
phases of the first postmeiotic  
mitosis)

Annotation to follow.

FAO:

F

Lebedeva, G.D., & 59-1693  
 S.G. Sinevid (1958)  
C.R.Acad.Sci.U.R.S.S., 122:586-8  
 Deistoiie radioaktivnogo strontsiia na  
 vyzhivaemost' i razmnozhenie Daphnia  
magna (The effect of radioactive  
 strontium upon survival and propagation  
 in Daphnia magna)

Annotation to follow.

FAO: F

Bogachev, V.V. (1958) 59-1696  
C.R.Acad.Sci.U.R.S.S., 122:727-9  
 Ryby ponticheskogo moria (The  
 fishes in the Pontian sea)

Annotation to follow.

FAO: M

Kirpichnikov, V.S. (1958) 59-1694  
C.R.Acad.Sci.U.R.S.S., 122:716-9  
 Stepen' geterogemnosti populiatsii  
 sazana i gibridov sazana s karpom  
 (On the degree of genetic variability  
 within populations of carp and hybrids  
 between wild and domesticated carp)

Annotation to follow.

FAO: F

Assman, A.V. (1958) 59-1697  
C.R.Acad.Sci.U.R.S.S., 122:932-5  
 Nekotorye dannye o "vyedanii" bentosa  
 rybami (Some data concerning the  
 total destruction of benthos by fishes)

Annotation to follow.

FAO: F

Mordukhai- 59-1695  
 Boltovskaia, E.D. (1958)  
C.R.Acad.Sci.U.R.S.S., 122:723-6  
 Predvaritel'nye dannye po pitaniiu  
 khishchnykh kladotser Leptodora Kindtii  
 i Bythotrephes (Preliminary data  
 concerning the diet of the Cladocera  
Leptodora kindtii and bythotrephes)

Annotation to follow.

FAO: II

Zavarzina, N.B. & 59-1698  
 A.E. Protsenko (1958)  
C.R.Acad.Sci.U.R.S.S., 122:936-9  
 O lizise kul'tur Chlorella pyrenoidosa  
 Pringh. (On the lysis of Chlorella  
pyrenoidosa Pringh. cultures)

Annotation to follow.

FAO: F

Kleinenberg, S.E. (1958) 59-1699  
C.R.Acad.Sci.U.R.S.S., 122:950-2  
K voprosy o proiskhozhdenii  
kitoobraznykh (On the origin of  
the Cetacea)

Annotation to follow.

FAO:

M

Glikman, L.S. (1958) 59-1702  
C.R.Acad.Sci.U.R.S.S., 123:568-71  
O tempakh evoliutsii lamnoidnykh akul  
(On the rate of evolution of Lamnoid  
sharks)

Annotation to follow.

FAO:

M

Petrova, N.A. (1958) 59-1700  
C.R.Acad.Sci.U.R.S.S., 123:558-60  
O fitoplanktone severozapadnykh  
zalivov Ladozhskogo ozera (On the  
phytoplankton of the north-western  
bays of Ladoga lake)

Annotation to follow.

FAO:

F

Malevitskaia, M.A. (1958) 59-1703  
C.R.Acad.Sci.U.R.S.S., 123:572-5  
O zavoze parazita so slozhnym tsiklom  
razvitiia Bothriocephalus gowkongensis  
Yen, 1955, pri akklimatizatsii  
amurskikh ryb (On the importation  
of Bothriocephalus gowkongensis Yen,  
1955, a parasite possessing a complex  
development cycle, in the course of  
acclimatization of fishes from the  
Amur river)

Annotation to follow.

FAO:

F

Mileikovskii, S.A. (1958) 59-1701  
C.R.Acad.Sci.U.R.S.S., 123:564-7  
Lunnaia periodichnost' neresta u  
litoral'nykh i verkhnesublitoral'nykh  
bespozvonochnykh Belogo moria i  
drugikh morei (Lunar periodicity  
in the spawning in littoral and upper  
sub-littoral invertebrates of the  
White sea and of other seas)

Annotation to follow.

FAO:

M

Anonymous (1958) 59-1704  
New Scient., 4:1567  
Lime helps the fish farmers

Note on experiments at Malacca Fish  
Culture Research Institute to convert  
swamp into fish ponds. Results of  
liming, cutting & fertilizing.

Annotation to follow.

FAO:sjh

F



Iyer, H.M. (1958) 59-1705  
Geophys.J., 1:32-43  
A study on the direction of arrival of  
microseisms at Kew observatory

A study of direction of arrival of  
microseisms caused by cyclonic  
depressions & sea waves in Atlantic,  
Oct. 1951, Oct. 1952 & Dec. 1956.

FAO:sjh

M

Anonymous (1958) 59-1708  
Geophys.J., 1:111  
Resolutions on deep drilling

Resolutions adopted by 2nd plenary  
session of IUGG that an investigation  
be made of possibility of drilling to  
Mohorovičić discontinuity below the  
ocean; a boring be made through the  
sediments below the ocean.

FAO:sjh

M

Merriweather, A.S. (1958) 59-1706  
Geophys.J., 1:73-91  
A seismic refraction-shooting survey  
off the north coast of Cornwall

Survey along four bearings from a  
hydrophone on sea bed near Perranporth,  
Cornwall. Structure & acoustic  
properties of the bed are deduced, &  
attenuation of ground-waves with  
range is measured both at this site &  
with a hydrophone suspended in a well  
nearby.

FAO:asm

M

Darbyshire, J. & 59-1709  
H.M. Iyer (1958)  
Geophys.J., 1:180-4

Notes on progress in geophysics -  
Some recent developments in the study  
of microseisms in Great Britain and  
the United States

Review of research on wave activity,  
mainly in the Atlantic.

FAO:sjh

M

Anonymous (1958) 59-1707  
Geophys.J., 1:96-8  
XIth general assembly of the  
International Union of Geodesy and  
Geophysics

Notes on selected parts of the  
discussion, largely concerned with  
instruments & methods.

FAO:sjh

M

Hidaka, K. & 59-1710  
Y. Nagata (1958)  
Geophys.J., 1:198-207  
Dynamical computation of the  
equatorial current system of the  
Pacific, with special application to  
the equatorial undercurrent

The currents near the equator are  
treated by solving the dynamical  
equations for the steady-state  
involving terms of Coriolis force,  
pressure gradient, & horizontal &  
vertical mixing.

FAO:sjh

M

Hales, A.L. (1958) 59-1711

Geophys.J., 1:249-56

Notes on progress in geophysics -  
Geophysics in South Africa

A review article, incl. note on  
seismic refraction studies at sea in  
S. Africa waters by VEMA (of Lamont  
geological observatory) & VRYSTAAT (a  
S. African naval vessel) in April 1958.

FAO:sjh

M

Robin, G. de Q. (1958) 59-1714

Geophys.J., 1:347-51

Notes on the progress of geophysics -  
Geophysical studies in polar regions.  
The Antarctic ice sheet

A review.

FAO:sjh

M

Hughes, P. (1958) 59-1712

Geophys.J., 1:271-83

Tidal mixing in the narrows of the  
Mersey estuary

Analysis of temperature & salinity  
observations.

FAO:sjh

M

Anonymous (1958) 59-1715

Geophys.J., 1:352-5

The 83rd colloquium of the French  
national centre of scientific research  
(topography and ecology of oceanic  
deeps) held at Nice, 1958 May 5-14

A report of the colloquium at which  
special reference was made to the  
Western Mediterranean, bathyscaphe work,  
seismic observations, topographic  
charts of the Atlantic, sea mounts in  
the Pacific, measurements of boron in  
sediments for determination of early  
salinity conditions; C<sub>14</sub> studies of  
sediments off S. California.

FAO:sjh

M

Mason, R.G. (1958) 59-1713

Geophys.J., 1:320-9

A magnetic survey off the west coast  
of the United States between latitudes  
32° and 36° N, longitudes 121° and  
128° W

Total magnetic intensity map of the  
area based on magnetometer tows by  
PIONEER, US Coast & Geodetic Survey  
ship, in Aug. 1955.

FAO:sjh

M

Maroc. Service Central 59-1716  
des Statistiques (1959)

Rabat, 36 p.

Bulletin mensuel de statistique no. 14  
(Monthly bulletin of statistics)

Incl. monthly tables on fish landings,  
by areas, for the period Oct. 1957-  
June 1958.

FAO:sjh

M

Dangeard, P. (1959) 59-1717  
C.R.Acad.Sci.Paris, 248:889-92  
Sur les caractères d'une Entéromorphe  
(E. tubulosa) et sur les particularités  
de son développement (On the  
characteristics of an Enteromorph, E.  
tubulosa, & the details of its  
development)

Observations of Enteromorpha at Soulac,  
France.

FAO:sjh

F

Aubry, R. (1959) 59-1720  
C.R.Acad.Sci., Paris, 248:1036-8  
L'action de l'hormone mâle sur la  
gonade des Pulmonés (The action of  
male hormone on the gonad of  
pulmonate molluscs)

Experiments involving testosterone  
infections of Limnaea stagnalis  
& other pulmonate molluscs  
(terrestrial spp.) to influence the  
sexual cycle.

FAO:sjh

F

Vasilescu, A. (1959) 59-1718  
C.R.Acad.Sci., Paris, 248:919-21  
Sur le calcul de la vitesse de l'eau  
dans les canaux découverts (On the  
calculation of water flow velocity in  
open channels)

General theory, relevant to design of  
ponds & experimental tanks.

FAO:sjh

G

Dutrieu, J. (1959) 59-1721  
C.R.Acad.Sci., Paris, 248:1038-9  
Présence de tréhalose dans l'oeuf  
durable d'Artemia salina L.  
(The presence of trehalose in the  
resting eggs of Artemia salina L.)

Demonstration of presence of glucide  
reserve in this sp., following up  
studies reported in 59-1765.

FAO:sjh

MF

Priou, M.-L. (1959) 59-1719  
C.R.Acad.Sci., Paris, 248:1010-2  
Sur les constituants membranaires de  
quelques Bangiales (On the cell-  
wall constituents of some Bangiales)

Cytological study of marine & fresh-  
water spp. of these algae; incl. Bangia,  
Porphyra, & Erythrotrichia.

FAO:sjh

MF

Darchen, R. & 59-1722  
J. Lecomte (1959)  
C.R.Acad.Sci., Paris, 248:1046-8  
Sur la signification des huttes  
d'hiver d'Ondatra zibethica L.  
(On the significance of the winter  
quarters of Ondatra zibethica L.)

A note on the ethology of the coypu  
in France.

FAO:sjh

F



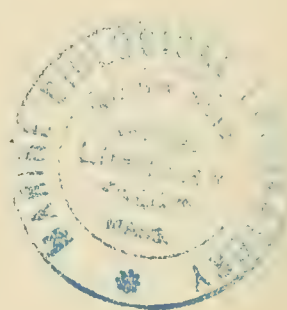
Haslett, A.W. (1959) 59-1723  
Sci. News, Harmondsworth, (51):109-12  
Research report - Echolocation by  
whales

Note on recent recordings of sound  
production by Tarsiops truncatus &  
Physetor catedon, & experiments with  
the former sp. in Florida to study  
obstacle avoidance & food location.  
See 580908 & 585630.

FiB:sjh

M

59-1725  
(Card 2)  
tabulated hydrographical data,  
with ill. charts.



GLK:sjh

M

International Oceanographic 59-1724  
Foundation (1959)  
Sea Secrets, 3(1):3 p.

Answers to various biological & other  
questions received by the International  
Oceanographic Foundation; miscellaneous  
notes on marine life.

FiB:sjh

M

Gulf States Marine 59-1727  
Fisheries Commission (1958?)  
New Orleans, 36 p.  
Ninth annual report 1957-1958 to the  
Congress of the United States and to  
the governors and legislators of  
Alabama, Florida, Louisiana,  
Mississippi, Texas

Lists of commissioners & committee  
members; financial statement; account  
of pertinent research; articles by the  
commission itself & by the States &  
by the U.S. Fish & Wildlife Service.

FAO:sjh

M

Union of South Africa. 59-1725  
Department of Commerce & Industries.  
Division of Fisheries (1958)  
Pretoria, 160 p.  
Twenty-eighth annual report for the  
period 1st April, 1956, to 31st March,  
1957

Reports industrial activities of the  
Division with regard to inshore -  
pilchard/maasbanker, rock lobster &  
others - & deep sea - trawling, whaling  
fisheries; administration of harbours,  
legislation, aquarium, staff; research  
especially on pilchard/maasbanker;  
station lists of research vessels with

Chile. Ministerio de 59-1728  
Agricultura. Departamento de Fomento  
de Pesca y Caza (1958)  
Valparaiso, 15 p.  
Boletin informativo no. 60

Contains main fisheries products  
statistics of Chile by region & notes  
on short popular articles on fisheries  
development in that country & elsewhere

GLK:hr

MF

Rochford, D.J. (Comp.) (1958) 59-1729  
Oceanogr.Sta.List, 33:36 p.  
Coastal hydrological investigations in  
eastern and south-western Australia,  
1957

Tables give position, station name,  
depth, temperature, chlorinity, oxygen,  
phosphate, nitrate.

GLK:sjh

M

Japan. Ministry of 59-1732  
Agriculture & Forestry. Statistics  
& Survey Division (1958)  
487 p.  
(Annual report of catch statistics on  
fishery and aquiculture, 1957). Ni

Statistical tables for catches,  
fishing efforts, prices, marine &  
inland fisheries, by spp., fishing  
areas, months, landing places, type  
of gear; consumption of petroleum  
products for fisheries.

FiB:sjh

MF

Anonymous (1958) 59-1730  
Louisiana Conserv., 10(11):20  
Market found for Nutria meat

A note on a new-found use of Myocastor  
coypus for canned dog & cat food.

FAO:wad

F

Honda, K. (1958) 59-1733  
Bull.Jap.Soc.sci.Fish., 24:233-9  
(On the net and rope disused after set  
net fishings). Ni En

Tests of strengths of normally used  
fabrics.

SJH:sjh

M

Maroc. Service Central 59-1731  
des Statistiques (1958)  
Rabat, 36 p.  
Bulletin mensuel de statistique no. 13  
(Monthly bulletin of statistics)

Incl. monthly tables on fish landings,  
by areas, for the period August 1957 -  
June 1958.

FAO:sjh

M

Shimozaki, Y. & 59-1734  
Y. Nozawa (1958).  
Bull.Jap.Soc.sci.Fish., 24:240-50  
(On the change in strength of netting  
immersed in the sea - II. Relation  
between the strength of tarred  
synthetic cords and the temperature,  
and comparison of power of these cords  
changing when immersed in the sea).  
Ni En

Contents as per title.

SJH:sjh

M

Hatanaka, M., M. Takahashi 59-1735  
 & G. Murakawa (1958)  
Bull.Jap.Soc.sci.Fish., 24:251-5  
 (Experimental studies on the feeding  
 habits of amber-fish, Seriola quinque-  
radiata T. et S.). Ni En

Feeding experiments show diurnal  
 rhythms & feeding order when reared in  
 tanks with Pneumatophorus japonicus.  
 Comparison of growth rates &  
 explanation of differences in terms of  
 anabolic rates & maintenance rations.

SJH:sjh

M

Suyama, M. & 59-1738  
 T. Tokuhiko (1958)  
Bull.Jap.Soc.sci.Fish., 24:267-70  
 (Studies on the buffering capacity of  
 fish muscle - I. The buffering capacity  
 as a measure of freshness). Ni En

Contents as per title.

SJH:x

MF

Nonoda, T. (1958) 59-1736  
Bull.Jap.Soc.sci.Fish., 24:256-61  
 (Model experiments on Batti-Ami).  
Ni En

Operational study of the paranzella net  
 used for catching anchovy in Ise bay,  
 Japan. Use of echosounder to study net  
 from.

SJH:sjh

M

Suyama, M. (1958) 59-1739  
Bull.Jap.Soc.sci.Fish., 24:271-5  
 (Studies on the buffering capacity of  
 fish muscle - II. Effects of  
 trimethylamine oxide and urea on the  
 buffering capacity). Ni En

Contents as per title.

SJH:x

MF

Okabayashi, S. (1958) 59-1737  
Bull.Jap.Soc.sci.Fish., 24:263-6  
 (On the deformation of fishing net  
 caused by the current). Ni En

Models experiments with fixed bag net  
 to study deformation by tides.

SJH:sjh

M

Suyama, M. (1958) 59-1740  
Bull.Jap.Soc.sci.Fish., 24:276-80  
 (Studies on the buffering capacity of  
 the fish muscle - III. Effects of  
 trimethylamine and ammonia on the  
 buffering capacity of fish muscle and  
 the change in the capacity during  
 degradation). Ni En

Contents as per title.

SJH:x

MF



Suyama, M., J. Koike 59-1741  
 & K. Suzuki (1958)  
Bull.Jap.Soc.sci.Fish., 24:281-4  
 (Studies on the buffering capacity of  
 fish muscle - IV. Buffering capacity of  
 muscles of some marine animals).  
Ni En

Contents as per title.

SJH:x

M

Miyagawa, S. & 59-1744  
 K. Ueno (1958)  
Bull.Jap.Soc.sci.Fish., 24:296-9  
 (B vitamins content of liver meal and  
 liver extracts of aquatic animals).  
Ni En

SJH:x

MF

Nakamura, T. (1958) 59-1742  
Bull.Jap.Soc.sci.Fish., 24:285-8  
 (Studies on mucilage from the seaweed,  
Eucheuma muricatum (Gmel.) Weber van  
 Bosse - VI. Composition of component  
 sugar). Ni En

Contents as per title.

SJH:x

M

Kōnosu, S. & al. (1958) 59-1745  
Bull.Jap.Soc.sci.Fish., 24:300-4  
 (Amino acid composition of crustacean  
 muscle proteins). Ni En

SJH:x

M

Tomiyaama, T., A. Tsuda 59-1743  
 & Y. Yone (1958)  
Bull.Jap.Soc.sci.Fish., 24:289-95  
 (An improved cylinder plate assay  
 method for determination of chlortetra-  
 cycline in fish tissues). Ni En

SJH:x

MF

Anonymous (1957) 59-1746  
Norsk Hvalfangsttid., 46:93-113  
 8th meeting of the International  
 Whaling Commission. En No

Reviews 8 items considered during the  
 meeting such as maximum catch for the  
 pelagic expeditions in the Antarctic,  
 separate quotas for the individual  
 baleen whale spp., catching season  
 for humpback whales in the Antarctic,  
 etc.

FAO:hr

M

<p>Anonymous (1957) 59-1747  <u>Norsk Hvalfangsttid.</u>, 46:114  International observers on the pelagic expeditions in the Antarctic. <u>En</u> <u>No</u></p> <p>Statistics on whaling period for pelagic baleen whale operations as &amp; from 1947/48, total catch in blue whale units compared with the permitted maximum quota, &amp; production of whale &amp; sperm oil.</p> <p>FAO:hr M</p>	<p>Chittleborough, R.G. &amp; K. Godfrey (1957) 59-1750  <u>Norsk Hvalfangsttid.</u>, 46:238-48  A review of whale marking and some trials of a modified whale mark. <u>En</u> <u>No</u></p> <p>Reviews briefly the aims &amp; progress of whale marking, &amp; describes a modified mark &amp; its behaviour under test.</p> <p>FAO:hr M</p>
<p>Bogen, H. (1957) 59-1748  <u>Norsk Hvalfangsttid.</u>, 46:209-31  Main events in the history of Antarctic exploration</p> <p>The 2nd installment of series of consecutive articles on exploratory geographical work accomplished in the Antarctic from 1730 decade until today.</p> <p>FAO:hr MF</p>	<p>Bogen, H. (1957) 59-1751  <u>Norsk Hvalfangsttid.</u>, 46:281-300  Main events in the history of Antarctic exploration</p> <p>The 3rd installment of a series of consecutive articles on exploratory geographical work accomplished in the Antarctic from 1730 decade until today.</p> <p>FAO:hr MF</p>
<p>Simons, H.W. &amp; R.D. Weston (1957) 59-1749  <u>Norsk Hvalfangsttid.</u>, 46:231-8  An underfished humpback population? <u>En</u> <u>No</u></p> <p>A comparative review of the potential of the Bellingshausen sea humpback population with recommendations for its more intensive exploitation than in other Antarctic areas.</p> <p>FAO:hr M</p>	<p>Østby, H. (1957) 59-1752  <u>Norsk Hvalfangsttid.</u>, 46:300-8  Catch of small whales 1956. <u>En</u> <u>No</u></p> <p>Gives duration of season, weather conditions &amp; statistics of catch, production &amp; yield of whaling in the North, Norwegian &amp; Barents seas &amp; adjacent waters.</p> <p>FAO:hr M</p>

Bogen, H. (1957) 59-1753  
Norsk Hvalfangsttid., 46:417-38  
Main events in the history of Antarctic exploration

The 5th installment of a series of consecutive articles on exploratory geographical work accomplished in the Antarctic from 1730 decade until today.

FAO:hr

MF

Brown, S.G. (1957) 59-1756  
Norsk Hvalfangsttid., 46:555-9  
Whale marks recovered during the Antarctic whaling season 1956/57.  
En No

Records particulars & comments on 56 whale marks recovered. The largest recovery during a single season since whale marking was undertaken in 1932.

FAO:hr

M

Anonymous (1957) 59-1754  
Norsk Hvalfangsttid., 46:438-62  
Whaling operations in the Antarctic, season 1956/57. En No

An extract of a survey of the whaling operations dealing with regulative provisions, catch material, whaling period, catch results, oil yield, average sizes, & maturity of whales.

FAO:hr

M

Anonymous (1957) 59-1757  
Norsk Hvalfangsttid., 46:573-5  
Underwater sounds from sperm whales.  
En No

Records of sounds made by Physeter catodon detected off the North Carolina coast, USA.

FAO:hr

M

Dunstan, D.J. (1957) 59-1755  
Norsk Hvalfangsttid., 46:553-5  
Caudal presentation at birth of a humpback whale, Megaptera nodosa (Bonna-terre). En No

The 1st record of a free swimming humpback taken off Norfolk island, with the tail of a full-term foetus projecting from the vulva. Evidence to date indicates that this may be the usual method of birth.

FAO:hr

M

Clarke, R. (1957) 59-1758  
Norsk Hvalfangsttid., 46:609-30  
Migrations of marine mammals.  
En No

Considers migrations among whale bone & toothed whales, fur seals, hair seals, walruses, & physiological mechanisms of migration.

FAO:hr

M



Garth, J.S. (1958) 59-1759  
Allan Hancock Pacif. Exped., 21(1-2):  
 854 p.  
 Brachyura of the Pacific coast of  
 America - Oxyrhyncha

Systematic discussion of this group  
 dealing with sexual dimorphism, growth  
 of sexual maturity & certain zoo-  
 geographic aspects, & treating each  
 taxonomic group - from super family to  
 spp. - in detail, giving diagnosis,  
 description, measurement, habitat &  
 other information. Keys are provided.  
 Text in Part I; tables & plates in  
 Part II.

FAO:glk

M

Brunet, R. (1959) 59-1762  
For. France Action for., (86):22-4  
 Les poissons carnassiers de  
 repeuplement (Carnivorous fishes  
 for re-stocking)

Considerations about the problems of  
 stocking French rivers with Perca  
fluviatilis, Micropterus punctatus, M.  
dolomieu, Esox lucius & Sander  
lucioperca.

FAO:hr

F

Anonymous (1958) 59-1760  
Pesca y Marina, 10(5):6-8  
Notas acerca del plan pesquero de  
Costa Rica (Notes on the fisheries  
 plan of Costa Rica)

Notes on the development of fisheries  
 in the gulf of Nicoya & adjacent  
 waters, other phases of the fishing  
 industry & recommendations for future  
 activities.

FAO:hr

M

International Oceanographic 59-1763  
 Foundation (1958)  
Sea Secrets, 2(8):3 p.

Answers to various biological & other  
 questions recieved by the International  
 Oceanographic Foundation; miscellaneous  
 notes on marine life.

HR:sjh

M

Phelps, W.H. & 59-1761  
 W.H. Phelps, Jr. (1959)  
Bol. Soc. venezol. Cienc. nat., 20(92):  
 105-33

Las aves de la isla de Patos con  
 algunos documentos sobre la historia  
 y la geologia de la isla (Birds of  
 the island of Patos with some documents  
 on the history and geology of the  
 island)

Contains a list of 34 spp. incl. marine  
 forms found in the island off the  
 coast of Venezuela.

FAO:hr

M

International Oceanographic 59-1764  
 Foundation (1958)  
Sea Secrets, 2(11):3 p.

Answers to various biological & other  
 questions received by the International  
 Oceanographic Foundation; miscellaneous  
 notes on marine life.

HR:sjh

M

Dutrieu, J. (1957) 59-1765  
C.R.Acad.Sci., Paris, 244:2650-3  
Modifications chimiques accompagnant le  
développement embryonnaire d'Artemia  
salina L. (Chemical modifications  
accompanying the development of Artemia  
salina L.)

Changes in water content, proteids,  
lipids, glycogen; oxygen uptake &  
respiratory quotient in the embryo &  
the nauplius.

FAO:sjh

MF

Ben-Tuvia, A. (1958) 59-1768  
Fish.Bull., Haifa, (18):14-5  
(Know your fish). Iw

Ill., with notes & scientific &  
Hebrew names, of spp. of Scorpaena,  
Symphodus & Puntazzo.

SJH:sjh

M

Israel. Ministry of 59-1766  
Agriculture. Division of Fisheries,  
The Secretariat (1958)  
Fish.Bull., Haifa, (18):4-10  
(Third convention of the fishermen's  
union in Israel). Iw

Report of meeting.

SJH:sjh

MF

Bernstein, D. (1958) 59-1769  
Fish.Bull., Haifa, (18):23-6  
(Experiments with the Danish trawl net  
on board of R/F/V HAZVI). Iw

Incl. ill. of gear.

SJH:sjh

M

Radan, G. (1958) 59-1767  
Fish.Bull., Haifa, (18):13, 16-8  
(Ancient anchors and their special  
uses). Iw En

An ill. historical article.

SJH:sjh

M

Ben-Yami, M. (1958) 59-1770  
Fish.Bull., Haifa, (18):27-8  
(Equipment and fishing methods).  
Iw

Miscellaneous ill. notes on trawl nets  
from Japanese synthetic fibers, trawl  
nets made of webbing produced in  
Israel; on the otter board action  
problem, the construction of trawl  
nets made from machine made webbing,  
& the protection cover against  
porpoises from synthetic webbing.

SJH:sjh

M

Hong Kong. Registrar of 59-1771  
Co-operative Societies &  
Director of Marketing (1958)  
Government Press, Hong Kong, 51 p.  
Annual report for the financial year  
1957-58

Incl. accounts of fisheries  
co-operatives, credit facilities,  
marketing organizations; statistics  
& landings, trade, prices.

FiB:sjh

11F

Bogorov, V.G. & 59-1774  
A.D. Dobrovolskii (1957)  
Bull.Acad.Sci.U.R.S.S.(Geogr.), (2):  
137-42

Okeanologicheskie issledovaniia v  
Kitaiskoi Narodnoi Respublike  
(Oceanographic research in the Chinese  
People's Republic)

Short review of the types &  
objectives of oceanographical, marine  
biological research in China.

FAO:tl

M

Zhivago, A.V. & 59-1772  
A.P. Lisitsin (1957)  
Bull.Acad.Sci.U.R.S.S.(Geogr.), (1):  
19-35

Novye dannye o relefe dna i osadkakh  
morei vostochnoi Antarktiki (New  
facts on the relief of ground and  
sediments of the Antarctic seas)

Review of earlier investigations,  
track chart of "Ob" 1956; description  
of bottom relief & distribution of  
sediments in the Antarctic ocean -  
maps incl.

FAO:tl

M

Glover, C.R. (1959) 59-1775  
Penn.Angler, 28(1):6-8  
Fish in a barrel

Describes a system whereby trout  
(Salmo) fry are reared in barrels  
rather than in conventional hatchery  
troughs.

GLK:wad

F

Ghirs, A.A. (1957) 59-1773  
Bull.Acad.Sci.U.R.S.S.(Geogr.), (1):  
102-8

Epokhalnye preobrazovaniia form  
atmosfernoi tsirkuliatsii i sviazannye  
s nimi kolebaniia urovnia Kaspiiskogo  
moria (Epoch-making transformation  
of forms of atmosphere circulation and  
the Caspian sea-level movements)

Description of the variation of  
atmospheric circulation in central  
European Russia; variation of  
precipitation in Volga basin &  
influence on the sea level changes in  
Caspian sea.

FAO:tl

F

Chipman, W.A. (1958) 59-1776  
Paper presented at the 11th Annual  
Meeting of the Gulf & Caribb. Fish.  
Inst., Nov. 17-21, 1958, Miami Beach,  
Florida, (mimeo), 14 p.  
Accumulation of radioactive materials  
by fishery organisms

A review of results so far obtained  
from field & laboratory observations  
of ecological processes concerned in  
movement of radioactive substances in  
the sea; uptake of them by plankton,  
seaweeds, fishes, crustaceans &  
molluscs. Special reference to



59-1776  
(Card 2)

Tigropus californicus, Artemia salina,  
Mercenaria mercenaria, Pecten  
irradians, Fundulus heteroclitus,  
Mugil cephalus, croakers & bluefish.

SJH:sjh

MF

Pitkänen, H. (1958) 59-1780  
Suomen Kalastuslehti, 65:169-72  
Kalavesien hoitoa sähköpöydillä  
(Electrical fishing in management of  
fishery-waters)

Description of various uses of  
electrical fishing in inland fisheries  
management.

FAO:tl

F

Graf, F. (1958) 59-1778  
Bull.Soc.Sci.Nancy, 17:223-61  
Développement post-embryonnaire des  
gonades et des glandes androgènes  
d'Orchestia cavimana (Heller) crustacé  
amphipode (Post-embryonal  
development of gonads and androgen  
glands in Orchestia cavimana Heller  
amphipod crustacean)

Detailed description of the  
morphology & development of the  
reproductive apparatus, with special  
reference to the relation of  
development to moulting.

FAO:glk

M

Stenström, W. (1958) 59-1781  
Suomen Kalastuslehti, 65:172-5  
Pintatöölökeilut itäisellä  
Uudellamaalla (Experiences with  
(Finnish) surface (& midwater) trawl  
in eastern Uusimaa district)

Review of the results of experimental  
& commercial fishing with surface  
& midwater trawl in Gulf of Finland.

FAO:tl

MF

Mexico. Secretaria de Marina 59-1779  
Dirección General de Pesca (1958)  
Mexico,  
Resumen de actividades pesqueras 1952 -  
1957 (Summary of fishing  
activities 1952-1957)

An atlas giving graphic information on  
distribution of most important spp.,  
shrimp fishing, stocking & fishculture,  
legislation, etc.

FiB:hr

MF

Leitilä, N. (1958) 59-1782  
Suomen Kalastuslehti, 65:175-8  
Purokasvatuskokeilut metsähallinnon  
vesissä kesällä 1958 (Experiments  
on rearing of trout in brooks in  
waters belonging to the forest  
administration, in the summer 1958)

Review of the results, giving data  
on survival & growth of trout in  
different brooks.

FAO:tl

F

<p>Uherkovich, G. (1958) 59-1783  <u>Acta Univ.Szeged (Biol.)</u>, 4(1-2):23-40          Das Leben der Tisza - IV. Das Potamo-          phytoplankton bei Szeged im Herbst          und Winter 1957/58 (The life in          the Tisza - IV. The phytoplankton near          Szeged during autumn and winter          1957-58)</p> <p>Describes the algae composition with          a view to general problems concerning          plankton in flowing waters.</p> <p>FAO:dr F</p>	<p>Austin, T.S. (1958) 59-1786  <u>Trans.Amer.geophys.Un.</u>, 39:1055-63          Variations with depth of oceanographic          properties along the equator in the          Pacific</p> <p>See 583829.</p> <p>TL: M</p>
<p>Bába, K. (1958) 59-1784  <u>Acta Univ.Szeged (Biol.)</u>, 4(1-2):67-71          Die Mollusken des Inundationsraumes          des Maros (The molluscs of the          "inundation area" of the Maros river)</p> <p>Reports on the mollusc-fauna with          regard to special climatic conditions          in temporarily flooded areas along-          side the river.</p> <p>FAO:dr F</p>	<p>Brooks, R.L., N.H. Jasper 59-1787          &amp; R.W. James (1958)  <u>Trans.Amer.geophys.Un.</u>, 39:1064-75          Statistics on wave heights and periods          for the North Atlantic ocean</p> <p>Frequency distribution of wave heights          &amp; periods, &amp; comparison between the          visually estimated values with values          determined from stereophotographs &amp;          wave-meter measurements. Data          obtained from weather ships.</p> <p>TL:tl M</p>
<p>Biczók, F. (1958) 59-1785  <u>Acta Univ.Szeged (Biol.)</u>, 4(1-2):73-80          Physiologische Untersuchungen an der  <u>Platyophrya lata</u> Kahl - I. Ernährung          (Physiological investigations on  <u>Platyophrya lata</u> Kahl - I. Nutrition)</p> <p>Describes composition of nourishment          &amp; food habit.</p> <p>FAO:dr F</p>	<p>Anonymous (1958) 59-1788  <u>Trans.Amer.geophys.Un.</u>, 39:1213-5          IGY Bulletin - Summer activities -          Drifting Station Alpha</p> <p>Description of the measurements of          radiation, phytoplankton studies,          studies of ice petrography &amp;          mechanics &amp; underwater sound          investigations at a drifting ice          station in the Arctic.</p> <p>TL:tl M</p>

Anonymous (1958) 59-1789  
Trans.Amer.geophys.Un., 39:1217-9  
IGY Bulletin - Program in biological  
and medical sciences, 1958-1959

Contains chapter describing marine  
biological investigations in  
Antarctic.

TL:tl

M

Clark, E.S., Jr. (1958) 59-1792  
Norsk Hvalfangsttid., 47:291-3  
Cuvier's beaked whale (Ziphius cavi-  
rostris) strands on Cape Cod beach,  
U.S.A. En No

A record of occurrence with notes on  
length, sex coloring, teeth &  
scars.

FAO:hr

M

Anonymous (1958) 59-1790  
Trans.Amer.geophys.Un., 39:1219-24  
IGY Bulletin - IGY news from other  
countries. A. Progress of the United  
Kingdom program - B. Antarctic notes

Contains progress report on  
oceanographic studies.

TL:tl

M

Clark, E.S., Jr. (1958) 59-1793  
Norsk Hvalfangsttid., 47:297-303  
Whale loses battle with fishing  
dragger. En No

A record of a male finback 48 feet  
long killed by being entangled in one  
of the steel cables of a fishing boat  
at Wood End, Cape Cod bay, USA.

FAO:hr

M

Kawakami, T. (1958) 59-1791  
Norsk Hvalfangsttid., 47:285-91  
Japanese whale marking in the North  
Pacific in 1956 and 1957. En No

Reports on marking cruises & results  
made mainly near the Aleutian islands,  
& capture of marked whales from 1949  
to 1958.

FAO:hr

M

Tucker, M.J. & 59-1794  
A.R. Stubbs (1958)  
Intern.Rep.nat.Inst.Oceanogr., (A12):  
6 p.

The reflexion of sound by fish

Note intended to stimulate discussion  
& to provide a basis for experiment;  
gives general theory of reflexion from  
idealised fish with & without swim-  
bladder.

TL:sjh

MG



Penyapol, A. (1958) 59-1795  
Bangkok, Thailand, 12 p.  
A preliminary study of the sea turtles  
in the Gulf of Thailand

Text of paper presented to 9th Pacific  
Science Congress, Bangkok, November,  
1957. Preliminary study of the green  
turtle, Chelonia mydas, & the  
Hawksbill turtle, Eretmochelys  
imbricata, at Ko Kram & Ko Kra, made  
during the years 1956-57, of their  
breeding & embryological development,  
incl. their distribution in the gulf.

SJH:sjh

M

Shavit, M. (1958) 59-1798  
Fish.Bull., Haifa, (17):18-23  
(The fisheries and the development  
programmes for the coming 5 years).  
Iw

Note on Israel's programme.

SJH:sjh

MF

Moyle, J.B. (1958) 59-1796  
Conserv.Bull.Minn., 21(126):14-6  
Research and manager biologists

Popular article explaining - with  
specific reference to the Minnesota  
State Division of Game & Fish - the  
differences between these two terms.

WAD:wad

F

Kramer, M. (1958) 59-1799  
Fish.Bull., Haifa, (17):24-5  
(The trawl fishery and its role in  
the fishing industry in the light of  
the proposed development programme).  
Iw

A note referring to Israel's  
programme.

SJH:sjh

M

Moffett, J.W. (1958) 59-1797  
Conserv.Bull.Minn., 21(126):18-23  
Lake trout and sea lamprey

Popular article on the invasion of the  
Great Lakes by Petromyzon marinus &  
attempts at its control especially  
the use of selective larvicides.

WAD:wad

MF

Ariav, Y. (1958) 59-1800  
Fish.Bull., Haifa, (17):25-7  
(Inshore and pelagic fishery). Iw

An ill. note on Israeli industry.

SJH:sjh

M

Welner, A. (1958) 59-1801  
Fish.Bull., Haifa, (17):31-5  
(The future of the sea fisheries).  
Iw

A note on Israeli industry.

SJH:sjh

M

Ben-Yami, M. (1958) 59-1804  
Fish.Bull., Haifa, (17):57-60  
(Fishing gear research in Israel).  
Iw

Short review with bibliography.

SJH:sjh

M

Nun, M. (1958) 59-1802  
Fish.Bull., Haifa, (17):35-40  
(The Israel fishery in lake Tiberias during the first decade). Iw

A short review.

SJH:sjh

F

Ben-Tuvia, A. (1958) 59-1805  
Fish.Bull., Haifa, (17):61-7  
(Investigations of Sardinella fisheries). Iw En

A short review, with special reference to Israeli research. Catches per unit effort, age-composition, relation of landings to oceanographic conditions off Israeli coast, especially Haifa Bay.

SJH:sjh

M

Oren, O.H. (1958) 59-1803  
Fish.Bull., Haifa, (17):46-57  
(Some activities of the sea fisheries research station). Iw

Review of Israeli marine fisheries research, with bibliography.

SJH:sjh

M

Anonymous (1959) 59-1806  
New Scient., 5:165  
Fish protection for better catches

Comment on discussions being held in London during January on a draft convention for an International North East Atlantic Fisheries Commission.

FAO:sjh

M

Hancock, D.A. (1959) 59-1807  
New Scient., 5:172-4  
Enemies of oysters in Britain

Ill. account of Ostrea parasites &  
predators, incl. Asterias, Urosalpinx,  
Odostomia, Crepidula, Ocenebra,  
Psammechinus, Mytilicola, Carcinus,  
Polydora & Cione.

FAO:sjh

II

Evans, J.H. (1959) 59-1810  
J.Ecol., 47(1):72-81

The survival of freshwater algae  
during dry periods. Part III.  
Stratification of algae in pond margin  
litter and mud

Continuation of 59-1809, under the  
headings: introduction; methods &  
results; summary of part III;  
references to parts II & III.

FAO:sjh

F

Anonymous (1959) 59-1808  
New Scient., 5:217  
Rats and barnacles leave squeaking  
ship

Note on use of ultrasonic vibration  
to prevent fouling.

FAO:sjh

II

Williams, W.T. & 59-1811  
J.M. Lambert (1959)  
J.Ecol., 47(1):83-101

Multivariate methods in plant  
ecology - I. Association-analysis in  
plant communities

Goodall's method of subdividing a set  
of sample quadrats into homogeneous  
groups, in which all spp.-associations  
have been made non-significant or  
indetermined, is subjected to a  
theoretical analysis. A new sorting  
method is described. The statistical  
efficiency of the method is confirmed  
by application & the nature of the

Evans, J.H. (1959) 59-1809  
J.Ecol., 47(1):55-71  
The survival of freshwater algae  
during dry periods. Part II. Drying  
experiments

Continuation of 580105, under  
headings: experimental methods;  
results & discussion; with appendix  
on experiments with Sphaerella  
lacustris (Girod.) Witttr.

FAO:sjh

F

59-1811  
(Card 2)  
ecological information thus obtained  
is assessed.

FAO:sjh

G



Martin, F. Salazar (1958) 59-1813  
Agricultor venezol., August:36-44  
 La pesca con redes de arrastre en  
 Venezuela (Trawling in Venezuela)

An ill. description of the gear &  
 statistical information on its  
 operation in Venezuela.

FAO:hr

M

Deufel, J. (1958) 59-1816  
Allg.FischZtg., 83:112-5  
 Untersuchungen über die Wirkung von  
 T-Vitamin-Goetsch auf Regenbogen-  
 forellen (Investigations into the  
 effect of T-vitamin-Goetsch on rainbow  
 trouts)

Describes the use & effect. Briefly  
 covers the problems of one-sided  
 feeding with "artificial" (non-  
 natural) food stuffs & the resulting  
 negative influence on the life  
 conditions of trouts.

FiB:dr

F

Ancellin, J. (1958) 59-1814  
Sci.Pêche, (65):4 p.  
 Observations sur le hareng du sud de la  
 mer du Nord et de la Manche orientale.  
 Campagne d'hiver 1957-58  
 (Observations on herrings of the  
 southern North Sea and eastern English  
 Channel. Winter season 1957-58)

Statistical & biometric notes.

FAO:hr

M

Reichenbach-Klinke, H. (1958) 59-1817  
Allg.FischZtg., 83:478  
 Bemerkungen zur Ausbreitung der  
 sogenannten "Forellenseuche" in Bayern  
 im Jahre 1958 (Remarks on the  
 spreading of the so-called "trout  
 pestilence" in Bavaria during 1958)

States that Salmo trutta fario L.,  
S. irideus W. Gibb., Coregonus  
wartmanni Bloch & Thymallus thymallus  
 L. specimens have been infected in  
 the Bavarian region.

FiB:dr

F

Anonymous (1958) 59-1815  
For.France Action for., (85):18-9  
 Importance économique de la pêche en  
 France (Cours d'eau et étangs)  
 (Economic importance of fisheries in  
 France - Rivers and ponds)

Considers production, consumption,  
 economic & technical conditions of  
 production, & fresh water fisheries &  
 social & turistic trends.

FAO:hr

F

Frommhold, E. (1958) 59-1818  
Allg.FischZtg., 83:458-60  
 Die fischereiwirtschaftliche Bedeutung  
 unserer Teichfrösche (The  
 importance of the pond frogs from the  
 point of view of fisheries)

Short account & survey on the German  
 literature pertaining to Rana esculenta  
 & R. ridibunda ridibunda in the light  
 of pond management.

FiB:dr

F

Waldo, E. (1958) 59-1819  
Louisiana Conserv., 10(7-8):14-5, 19-20  
Egyptian conservation

An article based on "Tilapia in Ancient Egypt", by P. Chimits, FAO Fish.Bull., 10(4).

FAO:tjj

F

Richardson, W.D. & 59-1822  
E.T. Dewar (1958)  
Nature, Lond., 182:1779-81  
Third international seaweed  
symposium

A summary record of the symposium  
held in Galway, Ireland, 13915 Aug.  
1958, containing brief notices of the  
papers presented.

GLK:wad

M

Macnae, W. & 59-1820  
M. Kalk (Ed.) (1958)  
Johannesburg, Witwatersrand Univ.Press,  
163 p.  
A natural history of Inhaca island,  
Mocambique

M

Denton, E.J., T.I. Shaw 59-1823  
& J.B. Gilpin-Brown (1958)  
Nature, Lond., 182:1810-1  
Bathyscaphoid squid

Observations on mid-water squid, from  
bay of Biscay, possessing buoyancy  
equilibrium & an explanation of the  
reason for this state based upon  
analysis of the low-density coelomic  
fluid (present in large quantities) in  
Verrilliteuthis hyperborea, Galiteuthis  
armata & Helicocranchia pfefferi.

GLK:wad

M

Rees, W.J. (1958) 59-1821  
Nature, Lond., 182:1761-2  
Marine biology in Southeast Africa  
Review of 59-1820.

GLK:wad

M

Hunter, I.J. (1958) 59-1824  
Nature, Lond., 182:1818-9  
Importance of taxonomy in biological  
investigations

A suggestion for more attention by  
biological investigators to taxonomy  
to define with precision the spp. upon  
which the investigation is carried out  
& greater integration of knowledge  
obtained by investigation of living  
forms with knowledge of taxonomy. More  
precision & care to the use of correct  
generic & specific names is  
recommended.

GLK:hr

MF

Bijvoet, H.C. (1958) 59-1825  
Meded.ned.met.Inst., (71):35 p.  
A new overlay for the determination of  
the surface wind over sea from surface  
weather charts

M

Fernando, C.H. & 59-1828  
A. Fernando (1958)  
Proc. of the 14th Annual Session  
Ceylon Ass. for the Advancement of  
Science, 18-20 Dec. 1958, Colombo:38  
A study of the defensive spines of  
the freshwater fish of Ceylon

Simple spines occur in the Cyprinidae,  
Cichlidae, Anabantidae & Mastacembe-  
lidae; whilst the denticle-bearing  
spines are restricted to the Siluroidea  
(Catfishes). There is a single sp. of  
catfish, Heteropneustes fossilis Bloch  
which carries a venom apparatus.

Abstr. only.

FiB:chf

F

U.K. National Oceanographic 59-1826  
Council (1957)  
Cambridge Univ.Press, 34 p.  
Annual report 1956-57

Membership of the UK National  
Oceanographic Council, staff of the  
National Institute of Oceanography;  
short administrative reports of the  
Council & the Institute activities;  
research on marine physics & biology;  
work of R.R.S. DISCOVERY II; budget;  
lists of publications, lectures  
delivered, etc.

GLK:sjh

M

Basnayake, V. & 59-1829  
C.H. Fernando (1958)  
Proc. of the 14th Annual Session  
Ceylon Ass. for the Advancement of  
Science, 18-20 Dec. 1958, Colombo:39  
Water loss through the vertebrate skin

The rate of water loss was determined  
by the method of Burch & Winsor, 1946.  
The skin of the fish, Heteropneustis  
fossilis & amphibians, frog & toad,  
examined was found to be an extremely  
poor barrier against water loss.

Reptile skin, incl. water snake, was  
inferior to mammalian & avian skin in  
this respect. Abstr. only.

FiB:vb

MF

U.K. National Oceanographic 59-1827  
Council (1958)  
Cambridge Univ.Press, 39 p.  
Annual report 1957-58

Membership of the UK National  
Oceanographic Council, staff of the  
National Institute of Oceanography;  
short administrative reports of the  
Council & the Institute activities;  
research on marine physics & biology;  
work of R.R.S. DISCOVERY II; budget;  
lists of publications, lectures  
delivered, etc.

GLK:sjh

M

Sivalingam, S. (1958) 59-1830  
Proc. of the 14th Annual Session, Ceylon  
Ass. for the Advancement of Science,  
18-20 Dec. 1958, Colombo:39-40  
History of the pearl oyster fished in  
1958

A discussion on the change in size of  
population, mortality rates & increase  
in yield with age is presented.

Abstr. only.

FiB:ss

M



Mahadeva, N. (1958) 59-1831  
Proc. of the 14th Annual Session, Ceylon  
Ass. for the Advancement of Science,  
18-20 Dec. 1958, Colombo, :40

A note on fluctuations in temperature  
and salinity of surface seawater off  
Galle Face

Monthly & seasonal variations are  
statistically significant. Monsoons play  
an important role in the changes. Data  
are compared with available information  
on these factors from past studies of  
a similar nature made by others on  
waters around Ceylon. Abstr. only.

FiB:nm

M

A.F. (1958) 59-1834  
Dansk FiskTid., 76:669

Ikke fisk med juletræ, men en ørred  
med tangbevoksning på mærket  
(Not a fish with christmas tree, but a  
trout with algal growth on tag)

Notes on a recovery of tagged trout  
with algal growth on the tag & the  
adverse effects of this tag on the  
growth of trout.

FAO:tl

MF

Dissanaiyake, A.S. & 59-1832  
C.H. Fernando (1958)  
Proc. of the 14th Annual Session, Ceylon  
Ass. for the Advancement of Science,  
18-20 Dec. 1958, Colombo, :43-4

A progenetic metacercaria from the  
freshwater crab Paratelphusa ceylonensis  
C.H. Fern.

Over 90% of P. ceylonensis collected in  
paddy fields in Nugegoda were found to  
be infected with a metacercaria which  
appears to be that of a lecithodendrid.

FiB:asd

F

Anonymous (1959) 59-1835  
Dans FiskTid., 77:29-32

Totaludbyttet af det danske fiskeri i  
1958 steg med 64 millioner kg til 590  
millioner kg (Total yield of the  
Danish fishery increased in 1958 with  
64 mill. kg to 590 mill. kg)

Short review of Danish fisheries  
statistics, 1958, incl. data on drift  
costs & rentability.

FAO:tl

M

Anonymous (1958) 59-1833  
Dansk FiskTid., 76:565-6  
Koldfyrangreb i fiskefartøjer kan lignede  
med kræft hos mennesker (The  
attack of Comophora cerebella to  
fishing vessels can be compared to  
cancer by human)

Review of the damage done by the  
organism to vessels & gear in Norway.

FAO:tl

II

Bertelsen, E. (1958) 59-1836  
FiskBlad., 49:131-3  
Sildemaerkninger i Nordsøen  
(Herring taggings in the North Sea)

Review of the ICES herring taggings &  
notes on earlier recoveries of tag by  
different countries.

FAO:tl

M

Steele, J.H. (1958) 59-1837  
Mar. Res., (7):36 p.  
Plant production in the northern  
North Sea

Mathematical model of plant production  
cycle is set up & used to study effects  
of varying parameters, principally  
vertical mixing. Theoretical estimates  
of production with detailed observations  
in 2 areas but do not explain data  
from Norwegian Deeps. 3 years of  
observation are described & production  
estimated from phosphate data. The  
range of values & the general  
distribution agree with the model.  
FAO:jhs M

Anonymous (1958) 59-1840  
Comm. Fish. Rev., 20(11):26-7  
Technical note no. 47 - Steelhead  
trout - Description and proximate  
composition

Analysis of Salmo gairdnerii.

FAO:sjh

MF

Seagran, H.L. (1958) 59-1838  
Comm. Fish. Rev., 20(11):15-22  
Contribution to the chemistry of the  
king crab (Paralithodes camtschatica)

Data are given on 1) yield of meat &  
waste from whole king crab; 2)  
proximate composition of meat & waste  
portions; 3) amount of protein & non-  
protein nitrogen in the meat & the  
amount of sarcoplasmic, fibrillar, &  
stroma protein in the protein fraction;  
& 4) number, relative amounts, &  
electrophoretic mobilities of the  
protein components of the sarcoplasmic  
fraction.  
FAO:hls M

Anonymous (1958) 59-1841  
Comm. Fish. Rev., 20(11):29-30  
Boston fishing fleet - Average age of  
vessels in trawler fleet exceeds 20  
years

Contents as per title.

FAO:

M

Ricker, W.E. (1958) 59-1839  
Bull. Fish. Res. Bd. Can., (119):300 p.  
Handbook of computations for  
biological statistics of fish  
populations

A methodological manual dealing with:  
notation, definitions etc., estimation  
of mortality & growth rates,  
availability & movements, yield  
computation, predictions & resource  
assessments; relation of stock size to  
reproduction rates. With bibliography  
& table of exponential functions.

SJH:sjh

MF

Anonymous (1958) 59-1842  
Comm. Fish. Rev., 20(11):30-1  
California - Aerial census of  
commercial and sport fishing  
continued

FAO:

M

Anonymous (1958) 59-1843  
Comm.Fish.Rev., 20(11):31  
California - Artificial reefs  
established

Contents as per title.

FAO:

M

Anonymous (1958) 59-1846  
Comm.Fish.Rev., 20(11):32-3  
California - Sardine population  
survey off coast of Baja California  
(M/V ALASKA cruise 58-A-4)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1844  
Comm.Fish.Rev., 20(11):31  
California - Experiment planned with  
Korean fish

Contents as per title.

FAO:

M

Anonymous (1958) 59-1847  
Comm.Fish.Rev., 20(11):36  
Georges Bank - Divers attempt to  
solve riddle of migrating sand  
ridges

Contents as per title.

FAO:

M

Anonymous (1958) 59-1845  
Comm.Fish.Rev., 20(11):32  
California - San Diego conducts  
biological study of effect of municipal  
discharges on habitat of its offshore  
waters

Contents as per title.

FAO:

M

Anonymous (1958) 59-1848  
Comm.Fish.Rev., 20(11):37  
Great Lakes fishery investigations -  
Lake Superior fishery survey  
continued (M/V SISCOWET cruise 5)

Contents as per title.

FAO:

F



Anonymous (1958) 59-1849  
Comm.Fish.Rev., 20(11):37-8  
Great Lakes fishery investigations -  
Survey of fish populations in western  
basin of lake Erie continued (M/V  
CISCO cruise 9)

Contents as per title.

FAO:

F

Anonymous (1958) 59-1852  
Comm.Fish.Rev., 20(11):41-3  
North Atlantic fisheries exploration  
and gear research - Surf-clam  
exploration in Nantucket Sound area  
by M/V SUNAPEE

Contents as per title.

FAO:

M

Anonymous (1958) 59-1850  
Comm.Fish.Rev., 20(11):38-9  
Gulf exploratory fishery program -  
Distribution and availability of bottom  
fish inside 100-fathom curve of  
northern gulf of Mexico resurveyed  
(M/V SILVER BAY cruise 11)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1853  
Comm.Fish.Rev., 20(11):43  
North Atlantic fisheries investigations  
- Selectivity of scallop dredges and  
life history studies continued (M/V  
DARTMOUTH cruise 1)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1851  
Comm.Fish.Rev., 20(11):39-40  
Gulf exploratory fishery program -  
Exploratory shrimp fishing off north-  
east coast of South America (M/V  
OREGON cruise 53)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1854  
Comm.Fish.Rev., 20(11):43  
North Atlantic fisheries  
investigations - Vertical distribution  
of ocean perch studied on Georges bank  
and in gulf of Maine (M/V ALBATROSS III  
cruise 117)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1855  
Comm.Fish.Rev., 20(11):44  
North Atlantic herring research -  
Herring larvae survey scheduled for  
Georges Bank and gulf of Maine

Contents as per title.

FAO:

M

Anonymous (1958) 59-1858  
Comm.Fish.Rev., 20(11):46  
Oregon - Brownlee dam fish barrier  
inspected by divers

Contents as per title.

FAO:

F

Anonymous (1958) 59-1856  
Comm.Fish.Rev., 20(11):44  
North Pacific exploratory fishery  
program - Shrimp survey in deep water  
off Washington-Oregon coasts planned  
(M/V JOHN N. COBB cruise 40)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1859  
Comm.Fish.Rev., 20(11):46  
Oregon - Biologists observe salmon  
salvage operations at the Oxbow  
damsite

Contents as per title.

FAO:

F

Anonymous (1958) 59-1857  
Comm.Fish.Rev., 20(11):45-6  
Oregon - Agreement reached on Brownlee  
dam fish problems

Contents as per title.

FAO:

F

Anonymous (1958) 59-1860  
Comm.Fish.Rev., 20(11):47  
Oregon - State hatchery program to be  
evaluated

Contents as per title.

FAO:

MF

Anonymous (1958) 59-1861  
Comm.Fish.Rev., 20(11):47-8  
Oysters - Long Island Sound has good  
oyster set

Contents as per title.

FAO: M

Anonymous (1958) 59-1864  
Comm.Fish.Rev., 20(11):49-50  
Pacific oceanic fishery investigations -  
Tuna tagging program provides  
information on growth rates

Contents as per title.

FAO: M

Anonymous (1958) 59-1862  
Comm.Fish.Rev., 20(11):48-9  
Oysters - Study of starfish predator  
problem in Long Island Sound develops  
pertinent data

Contents as per title.

FAO: M

Anonymous (1958) 59-1865  
Comm.Fish.Rev., 20(11):51-2  
Shrimp - Three types of shrimp nets  
tested off California and Oregon  
coasts (M/V N.B. SCOFIELD cruise 58-  
S-4)

Contents as per title.

FAO: M

Anonymous (1958) 59-1863  
Comm.Fish.Rev., 20(11):49  
Pacific oceanic fishery investigations -  
Tilapia rearing for tuna bait shows  
promise

Contents as per title.

FAO: M

Anonymous (1958) 59-1866  
Comm.Fish.Rev., 20(11):53  
South Carolina - Fisheries biological  
research progress, July-September 1958

Contents as per title.

FAO: M



Anonymous (1958) 59-1867  
Comm.Fish.Rev., 20(11):61-8  
International labor organization -  
Fishermen labor problems considered at  
conference

Contents as per title.

FAO:

M

Anonymous (1958) 59-1870  
Comm.Fish.Rev., 20(11):84  
Hong Kong - Shrimp fishing industry

Contents as per title.

FAO:

M

Anonymous (1958) 59-1868  
Comm.Fish.Rev., 20(11):73  
Australia - Japanese pearl-shell fleet  
operations for 1958 season

Contents as per title.

FAO:

M

Anonymous (1958) 59-1871  
Comm.Fish.Rev., 20(11):87  
Japan - Studies show blue or green  
lights attract most shellfish

Contents as per title.

FAO:

M

Anonymous (1958) 59-1869  
Comm.Fish.Rev., 20(11):83  
France - Detachable cod end developed  
for mothership catcher-vessels

Contents as per title.

FAO:

M

Anonymous (1958) 59-1872  
Comm.Fish.Rev., 20(11):87-8  
Japan - Tuna mothership operations  
in Fiji and Line islands areas  
successful

Contents as per title.

FAO:

MF

Anonymous (1958) 59-1873  
Comm.Fish.Rev., 20(11):89  
Libya - Tuna and sponge fisheries  
Contents as per title.

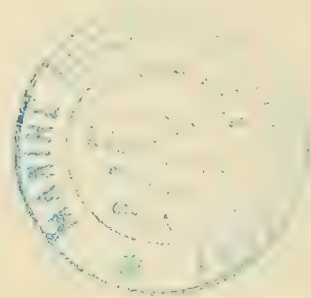
FAO:

M

Anonymous (1958) 59-1876  
Comm.Fish.Rev., 20(11):91-2  
New Hebrides - More on tuna fishery  
enterprise operated with Japanese  
Contents as per title.

FAO

M



Anonymous (1958) 59-1874  
Comm.Fish.Rev., 20(11):89-90  
Malaya - Japanese expert to study tuna  
resources of the eastern Indian ocean  
Contents as per title.

FAO:

M

Anonymous (1958) 59-1877  
Comm.Fish.Rev., 20(11):95-102  
Panama - Review of the fisheries, 1957  
Contents as per title.

FAO:

M

Anonymous (1958) 59-1875  
Comm.Fish.Rev., 20(11):90  
Morocco - Polish fishery mission visits  
Casablanca  
Contents as per title.

FAO:

M

Anonymous (1958) 59-1878  
Comm.Fish.Rev., 20(11):107  
U.S.S.R. - Device shows amount of fish  
in trawl before hauling  
Contents as per title.

FAO:

M

Anonymous (1958) 59-1879  
Comm.Fish.Rev., 20(11):108  
U.S.S.R. - Oceanographic survey vessel  
to visit United States ports

Contents as per title.

FAO:

M

Greenwood, M.R. (1958) 59-1882  
Comm.Fish.Rev., 20(12):9-21  
Bottom trawling explorations off  
Southeastern Alaska, 1956-1957

Describes work of the JOHN N. COBB &  
TORDENSKJOLD from autumn 1956 to  
spring 1957 between Dixon entrance  
& Hazy islands; special reference to  
Sebastodes catches.

FAO:sjh

M

Anonymous (1958) 59-1880  
Comm.Fish.Rev., 20(11):109  
United Kingdom - Experiments on use of  
light to attract lobsters

Contents as per title.

FAO:

M

Medico, E.J. (1958) 59-1883  
Comm.Fish.Rev., 20(12):1-8  
Certification and after-use  
measurement of manila otter-trawl  
cod ends

Describes the development & summarizes  
some results of the program for  
certifying manila twine cod ends used  
by the US trawling fleet in the  
fishery for haddock, Melanogrammus  
aeglefinus Linnaeus, in Northwest  
Atlantic Fishery Convention Subarea 5.

FAO:ejm

M

Anonymous (1958) 59-1881  
Comm.Fish.Rev., 20(11):112-5  
Department of the Interior, Fish and  
Wildlife Service - Proposed revision  
of Northwest Atlantic haddock and cod  
regulations

Contents as per title.

FAO:

M

Anonymous (1958) 59-1884  
Comm.Fish.Rev., 20(12):22-4  
Technical note no. 48 - Pacific ocean  
perch - Proximate composition

Ill. note on exploratory trawling  
for a chemical analyses of Sebastodes  
alutus in the NE Pacific.

FAO:sjh

M



Anonymous (1958) 59-1885  
Comm.Fish.Rev., 20(12):26  
California - Aerial census of  
commercial and sport fishing  
continued

Contents as per title.

FAO:

M

Anonymous (1958) 59-1888  
Comm.Fish.Rev., 20(12):29-31  
California - Pelagic fish distribution  
and abundance off Southern California  
surveyed

Contents as per title.

FAO:

M

Anonymous (1958) 59-1886  
Comm.Fish.Rev., 20(12):26-8  
California - Containers tested for  
oceanic disposal of radioactive waste  
(N.B. SCOFIELD cruise 58-S-5-waste  
disposal)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1889  
Comm.Fish.Rev., 20(12):31  
California - Stocking of state waters  
with yellow pike under consideration

Contents as per title.

FAO:

F

Anonymous (1958) 59-1887  
Comm.Fish.Rev., 20(12):29  
California - Halibut survey off Baja  
California coast (N.B. SCOFIELD cruise  
58-S-6-halibut)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1890  
Comm.Fish.Rev., 20(12):31-2  
California - Yellowfin and skipjack  
tuna tagged along Baja California  
coast (M/V CAPE BEVERLY cruise 58-C-2-  
tuna)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1891  
Comm.Fish.Rev., 20(12):32-3  
Croakers - Scarcity in Chesapeake Bay  
predicted

Contents as per title.

FAO:

M

Anonymous (1958) 59-1894  
Comm.Fish.Rev., 20(12):37-8  
Great Lakes fishery investigations -  
Survey of western lake Erie fish  
populations continued by M/V CISCO  
cruise 9

Contents as per title.

FAO

F

Anonymous (1958) 59-1892  
Comm.Fish.Rev., 20(12):36  
Fishery research laboratory - New  
shellfish laboratory to be built on  
Chesapeake Bay

Contents as per title.

FAO:

M

Anonymous (1958) 59-1895  
Comm.Fish.Rev., 20(12):38-9  
Great Lakes fishery investigations -  
Western Lake Superior herring and  
general fishery survey continued  
(M/V SISCOWET cruise 6)

Contents as per title.

FAO:

F

Anonymous (1958) 59-1893  
Comm.Fish.Rev., 20(12):37  
Great Lakes - Increase in alewife  
population raises problems

Contents as per title.

FAO:

F

Anonymous (1958) 59-1896  
Comm.Fish.Rev., 20(12):40  
North Atlantic fisheries and gear  
research - Exploratory trawling for  
commercial quantities of sand lance  
continued (M/V DELAWARE cruise 58-6)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1897  
Comm.Fish.Rev., 20(12):41  
 North Atlantic herring research -  
 Air-bubble curtain directs sardines  
 into seine successfully  
 Contents as per title.

FAO: M

Anonymous (1958) 59-1900  
Comm.Fish.Rev., 20(12):43-4  
 Pacific oceanic fishery  
 investigations - Albacore tuna fishing  
 with gill nets and trolling gear  
 tested by M/V PARAGON  
 Contents as per title.

FAO: M

Anonymous (1958) 59-1898  
Comm.Fish.Rev., 20(12):41  
 North Atlantic herring research -  
 Herring larvae sought in gulf of Maine-  
 Georges Bank area  
 Contents as per title.

FAO: M

Anonymous (1958) 59-1901  
Comm.Fish.Rev., 20(12):44-5  
 Pacific oceanic fishery  
 investigations - Central North Pacific  
 albacore tuna oceanographic and  
 plankton surveys (M/V HUGH M. SMITH  
 cruise 46)  
 Contents as per title.

FAO: M

Anonymous (1958) 59-1899  
Comm.Fish.Rev., 20(12):42  
 Oregon - Third experimental project  
 established for rearing salmon under  
 natural conditions  
 Contents as per title.

FAO: MF

Anonymous (1958) 59-1902  
Comm.Fish.Rev., 20(12):45  
 Pacific oceanic fishery  
 investigations - Marquesan sardine  
 reproduces in Hawaiian waters  
 Contents as per title.

FAO: M



Anonymous (1958) 59-1903  
Comm.Fish.Rev., 20(12):46  
Pacific oceanic fishery  
investigations - Second Tilapia bait-  
rearing project initiated

Contents as per title.

FAO.

M

Anonymous (1958) 59-1906  
Comm.Fish.Rev., 20(12):48  
Safety aboard fishing vessels - New  
winch-head contributes to trawler  
safety

Contents as per title.

FAO:

M

Anonymous (1958) 59-1904  
Comm.Fish.Rev., 20(1):46  
Pacific oceanic fishery investigations -  
Skipjack tuna behaviour studies provide  
a possible key to new fishing methods  
(M/V CHARLES H. GILBERT cruise 41)

Contents as per title.

FAO:

M

Anonymous (1958) 59-1907  
Comm.Fish.Rev., 20(12):49  
Safety aboard fishing vessels - Unsafe  
conditions aboard New England trawlers  
listed

Contents as per title.

FAO:

M

Anonymous (1958) 59-1905  
Comm.Fish.Rev., 20(12):47  
Pacific salmon investigations - Tests  
on "endless" fishway to cut in  
construction costs

Contents as per title.

FAO:

MF

Anonymous (1958) 59-1908  
Comm.Fish.Rev., 20(12):50-1  
Sea trout - Tagging to study  
migrations and growth rate

Contents as per title.

FAO:

MF

Anonymous (1958) 59-1909  
Comm.Fish.Rev., 20(12):51  
Shad - Biologists discover shad pass  
safely through turbines of Conowingo  
dam

Contents as per title.

FAO:

MF

Suarez Caabro, J.A. (1958) 59-1912  
Havana, Cuba, 15 p.  
Estado actual de la pesca del camaron  
en Cuba (The present situation of  
the Cuban shrimp fishery). En

M

Anonymous (1958) 59-1910  
Comm.Fish.Rev., 20(12):61  
International Pacific Salmon Fisheries  
Commission - Electric barrier at Adams  
river mouth to divert poor-quality  
sockeye salmon spawners

Contents as per title.

FAO:

MF

Alperin, I.M. (1958) 59-1913  
N.Y.St.Conserv., 13(1):10-2  
The sport fisheries of Great South  
Bay

F

Anonymous (1958) 59-1911  
Comm.Fish.Rev., 20(12):69  
Cuba - Closed season for turtles,  
tortoises, shrimp, and oysters ended

Contents as per title.

FAO:

M

Anonymous (1958) 59-1914  
Fiskets Gang, 18(38):487-96  
Fisket ved Vest-Gronland og Newfound-  
land 1957 (Fishery off West  
Greenland and Newfoundland 1957).  
En

M

Anonymous (1958) 59-1915  
Wildl.Leafl., (398):3 p.  
Fur catch in the United States, 1957

Presents statistics on the wild fur catch for the 1956-57 season, incl. the fur-seal catch in the Pribilof islands, Alaska.

:cfr

M

Leffler, R. (1958) 59-1918  
Louisiana Conserv., 10(9):8-9  
The conservation partnership

Discusses the problems confronting the wise utilization & conservation of fish & wildlife resources, & points out the necessity for close teamwork between the Federal Government, the state fish & game departments, & private agencies.

:cfr

F

Brazil, Ministerio da 59-1916  
Agricultura. Serviço de Estatística da  
Produção (1958)  
Rio de Janeiro, 10 p.  
Produção de pescado, segundo espécies e unidades da federação, 1955-56  
(Production of fish by species and districts, 1955-56)

M

Latham, R. (1958) 59-1919  
S.Carol.Wildl., 5(3):2-3, 18-9  
Mystery of the eel unfolded by scientists

Describes the life history of the American eel, Anguilla rostrata Le Seuer, & presents comparative data on the European eel, A. vulgaris.

:cfr

MF

Meinhold, T.F. & 59-1917  
P.C. Thomas (1958)  
Chem.Processing, 21:121-2  
Chitosan - useful chemical from shrimp shells

M

Anonymous (1957) 59-1920  
Almqvist & Wiksell, Stockholm, 197 p.  
Fiskarna i farg (Fishes in color)

MF



Saito, I. (1958) 59-1921  
Canad. Fisherm., 45:11, 13, 15  
In operating a Danish seine net is  
starboard or port side best?

M

van Pel, H. (1958) 59-1924  
Quart. Bull. S. Pacif. Comm., 8(3):28-9  
SPC fisheries survey in Netherlands  
New Guinea

M

Van Cleve, R. (1957) 59-1922  
Washington, D.C., 46 p.  
Survey of the TCM fisheries program  
in India

M

Anonymous (195 ) 59-1925  
Aarsberetn. Norg. Fisk., (9):78 p.  
Praktiske fiskeforsøk 1957 (Practical  
fishery research, 1957)

M

Anonymous (1958?) 59-1923  
Teheran, 10 p.  
Société anonyme des pêcheries  
iraniennes (Iran fisheries  
corporation)

Presents information on the production  
of sturgeon caviar, sturgeon, & other  
fishery products & byproducts by the  
Corporation, incl. export statistics  
for 1956-57 by quantity & country of  
destination. Contains colored ill.  
of the most commercially-important fish  
of Iran's Caspian sea fisheries.

:cfr

MF

Nyasaland. Department of 59-1926  
Game, Fish & Tsetse Control (1958)  
Government Printer, Zomba, 20 p.  
Annual report for the year ended  
31st December, 1957

The section on fisheries discusses the  
state of the fish stocks, the non-  
African fishery, fish trade,  
developmental & experimental work,  
fisheries research organization, trout  
fishing, & fish farming. Statistics are  
also given on landings of the different  
species of fish in the non-African &  
African fisheries.

:cfr

F

Deacon, G.E.R. (1958) 59-1927  
Impact of Science on Society, 9:79-92  
The use of oceanography

M

Heyna, B. & 59-1930  
P. Groen (1958)  
Physica, 24:383-9  
On short-period internal gravity  
waves

M

Fisher, E.L. (1958) 59-1928  
J.Met., 15:328-33  
Hurricanes and the sea-surface  
temperature field

M

Holtedahl, H. (1958) 59-1931  
J.Geol., 66:461-71  
Some remarks on geomorphology of  
continental shelves off Norway,  
Labrador, and southeast Alaska

M

Fjeldstad, J.E. (1958) 59-1929  
Geofys.Publ., 20:24 p.  
Ocean current as an initial problem

M

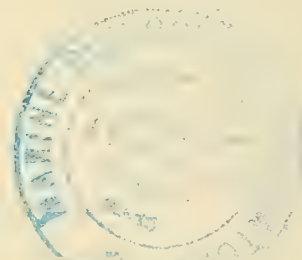
Ignatius, H. (1958) 59-1932  
Bul.Comm.Geol.Finland, (180):135-44  
On the rate of sedimentation in the  
Baltic sea

M

Kitamura, H. (1958) 59-1933  
Mem.Kobe mar.Obs., 12:6 p.  
On the distribution of phosphate in  
the western North Pacific

M

Murphy, S.R., G.R.Garrison 59-1936  
& D.S. Potter (1958)  
J.acoust.Soc.Amer., 30:871-5  
Sound absorption at 50 to 500 kc  
from transmission measurements in the  
sea



M

Miller, A.R. (1957) 59-1934  
Met.Mono., 2:24-31  
The effect of steady winds on sea  
level at Atlantic City

M

Nan'niti, T. (1958) 59-1937  
Pap.Met.Geophys., 8:317-31  
A theory of the mechanism of the  
generation of the cold water region  
in the offing of Enshunada

M

Miller, R.L. & 59-1935  
J.M. Zeigler (1958)  
J.Geol., 66:417-41  
A model relating dynamics and sediment  
pattern in equilibrium in the region  
of shoaling waves, breaker zone, and  
foreshore

M

Nan'niti, T. (1957) 59-1938  
Pap.Met.Geophys., 8:236-40  
Eulerian correlation of temperature  
in the atmosphere and oceans

M



Poornachandra, C. Rao (1958) 59-1939  
Indian J.Met.Geophys., 9:203-4  
River effect on sea

MF

Weeks, W.F. & 59-1942  
D.L. Anderson (1958)  
J.Glaciol., 3:173-4  
Sea ice thrust structures

M

Reish, D.J. & 59-1940  
K.E. Green (1958)  
J.Sed.Pet., 28:227-9  
Description of a portable piston  
corer for use in shallow water

MF

Wilcox, B.W. (1958) 59-1943  
Proc.Amer.Soc.civ.Engrs, 84:9 p.  
Tidal movement in the Cape Cod Canal,  
Massachusetts

M

van Riel, P.M., P. Groen 59-1941  
& M.P.H. Weenink (1957)  
Oceanogr.Res.Snellius Exped., 2(7):45 p.  
The SNELLIUS expedition in the eastern  
part of the East Indian Archipelago  
1929-1930

M

Fleming, R.H. (1958) 59-1944  
Spec.Rep.Univ.Wash., (29):15 p.  
Physical and chemical data, North  
Pacific ocean BROWN BEAR cruise 176,  
July-September 1957

M

Girard, M.J. (1958) 59-1945  
France pêche, 3(23):47-50  
La pêche et l'alimentation mondiale  
(World fisheries and food)

General discussion of world catch,  
the countries & regions in which  
taken, developmental prospects.

FAO:glk

MF

Anonymous (1958) 59-1948  
France pêche, 3(23):75-6  
Fiche technique du maquereau et de la  
dorade commune (Fishery card on  
mackerel and common dolphin)

Detachable cards, ill., giving  
biology, habitat, fishing, catch,  
commercial use of mackerel & common  
dolphin.

FAO:glk

M

Lenier, R. (1958) 59-1946  
France pêche, 3(23):51-2  
Les activités de la F.A.O. (F.A.O.  
activities)

Brief note on FAO's activities in  
biology, economics & technology.

FAO:glk

MF

"The Old Man" (1958) 59-1949  
France pêche, 3(23):77-89  
La pêche aux U.S.A. (Fisheries  
in U.S.A.)

Capitalisation of the industry - all  
sectors -, number of each type of  
fishing unit & total catch - & its  
composition - by each type; products;  
technological notes on fishing.

FAO:glk

M

Anonymous (1958) 59-1947  
France pêche, 3(23):54-6  
La recherche scientifique (The  
scientific research)

Brief discussion of the need for  
research in fisheries & list of French  
institutions concerned with oceano-  
graphic & biological research, & with  
administration.

FAO:glk

M

Anonymous (1958) 59-1950  
France pêche, 3(23):90  
Le JOHAN-HJORT, nouveau bateau de  
recherches (The JOHAN HJORT, new  
research vessel)

Brief general description of this  
craft.

FAO:glk

M

Boudou, M. (1958) 59-1951  
France pêche, 3(24):13-23  
Les pêches en A.O.F. (Fisheries in  
French West Africa)

Notes on fishing craft & gear, shore  
installations, fishing grounds, catches  
& the regulation of fisheries in  
Mauretania, Senegal, Dakkar, Guinea,  
Ivory Coast, Dahomey.

FAO:glk

M

Anonymous (1959) 59-1954  
France pêche, 4(25):39-40  
Fiche technique du colin noir et du  
merlan (Fishery card on coalfish  
and whiting)

Detachable cards, ill., giving biology,  
habitat, fishing, catch, commercial  
use of coalfish and whiting.

FAO:glk

MF

Anonymous (1958) 59-1952  
France pêche, 3(24):39-40  
Fiche technique du merlu (Fishery  
card on cod)

Detachable cards, ill., giving biology,  
habitat, fishing, catch, commercial  
use of cod.

FAO:glk

M

Aubry, R. (1959) 59-1955  
C.R.Acad.Sci., Paris, 248:1225-7  
L'action de l'oestradiol et de la  
progestérone sur la gonade des  
Pulmonés (The action of oestradiol  
and progesterone on the gonad of  
Pulmonate molluscs)

Experiments on Limnaea stagnalis  
& also terrestrial spp.

FAO:sjh

F

Meschkat, A.W. (1959) 59-1953  
France pêche, 4(25):30-4  
Les ressources en poisson du bassin  
de l'Amazone (Fish resources of the  
Amazon basin)

Ill. account of fishing methods,  
grounds etc.

FAO:glk

F

Anonymous (1958) 59-1956  
Design, Lond., (110):31-5  
Dial design basic functional  
requirements

Sets out basic functional requirements  
in design of scales, incl.  
consideration of scale range, units  
intervals, numbering, pointers,  
linearity, position of zero.

SJH:sjh

G



Anonymous (1958) 59-1957  
Design, Lond., (119):42-5  
Information and control

Follow-up article to 59-1956, dealing  
with design of dials & instrument  
controls, with special reference to  
tactile recognition.

SJH:sjh

G

Poulsen, E.M. (1959) 59-1960  
ICNAF Serial No. 596:16 p.  
Annotated list of pertinent papers  
1957

References grouped in subject order,  
& within groups by author; annotations  
& some informative abstracts;  
continuation of previous list 6 Dec.  
Serial 588, 584140.

FiB:sjh

M

Sumnang, K. (1959) 59-1958  
ICNAF Serial No. 594:1 p.  
Norway, program of research in the  
ICNAF area, 1959

A short summary, with special reference  
to cod, halibut, hydrography.

FiB:sjh

M

Sunico, M. (1959) 59-1961  
ICNAF Serial No. 597:1 p.  
Spain, program of research in the  
ICNAF area, 1959

A very brief announcement; special  
reference to cod & haddock.

FiB:sjh

M

Marty, Ul. (1959) 59-1959  
ICNAF Serial No. 595:1 p.  
U.S.S.R. program of research in the  
ICNAF area, 1959

A short summary, with special reference  
to cod, haddock, redfish & flatfishes.

FiB:sjh

M

FAO (1957) 59-1962  
Rome, 102 p.  
Millions still go hungry

A report on the 1st 12 years of the  
work of FAO. Incls. sections on  
improving production, marketing,  
consumption, research, training in  
relation to fisheries.

SJH:sjh

MF

CCTA/CSA (1957) 59-1963  
Publ.C.S.A., (27):28 p.  
Symposium on *Eichhornia crassipes*.  
En Fr

With respect to this symposium lists the participants, the agenda, & a report on the biology, & control of the water hyacinth in Central Africa. There is brief mention of the dangerous aquatic plants: Salvinia, Alternanthera & Pistia.

FAO:wad

F

INPFC (1958) 59-1966  
Vancouver, B.C., 39 p.  
Statistical yearbook 1954

Rev.ed. Gives tables & explanatory notes for catches by Canada, Japan & USA, incl. Alaska, of Oncorhynchus spp., Clupea pallasii, Hippoglossus stenolepis & Paralithodes camtschatica by type of boat & gear, season & area within N. Pacific. Some tables also for persons engaged, ships operating, etc.

FiB:sjh

MF

INPFC (1958) 59-1964  
Vancouver, B.C., 37 p.  
Statistical yearbook 1952

Rev.ed. Gives tables & explanatory notes for catches by Canada, Japan & USA, incl. Alaska, of Oncorhynchus spp., Clupea pallasii, Hippoglossus stenolepis & Paralithodes camtschatica by type of boat & gear, season & area within N. Pacific. Some tables also for persons engaged, ships operating etc.

FiB:sjh

MF

INPFC (1958) 59-1967  
Vancouver, B.C., 53 p.  
Statistical yearbook 1955

Rev.ed. Gives tables & explanatory notes for catches by Canada, Japan & USA, incl. Alaska, of Oncorhynchus spp., Clupea pallasii, Hippoglossus stenolepis & Paralithodes camtschatica by type of boat & gear, season & area within N. Pacific. Some tables also for persons engaged, ships operating, etc.

FiB:sjh

MF

INPFC (1958) 59-1965  
Vancouver, B.C., 39 p.  
Statistical yearbook 1953

Rev.ed. Gives tables & explanatory notes for catches by Canada, Japan & USA, incl. Alaska, of Oncorhynchus spp., Clupea pallasii, Hippoglossus stenolepis, Paralithodes camtschatica by type of boat & gear, season & area within N. Pacific. Some tables also for persons engaged, ships operating etc.

FiB:sjh

MF

INPFC (1958) 59-1968  
Vancouver, B.C., 57 p.  
Statistical yearbook 1956

Rev.ed. Gives tables & explanatory notes for catches by Canada, Japan & USA, incl. Alaska, of Oncorhynchus spp., Clupea pallasii, Hippoglossus stenolepis & Paralithodes camtschatica by type of boat & gear, season & area within N. Pacific. Some tables also for persons engaged, ships operating, etc.

FiB:sjh

MF

INPFC (1958) 59-1969  
Vancouver, B.C., 60 p.  
Statistical yearbook 1957

Gives tables & explanatory notes for catches by Canada, Japan & USA, incl. Alaska, of Oncorhynchus spp., Clupea pallasii, Hippoglossus stenolepis & Paralithodes camtschatica by type of boat & gear, season & area, within N. Pacific. Some tables also for persons engaged, ships operating, etc.

FiB:sjh

MF

Hamaker, H.C. (1958) 59-1972  
Biometrics, 14:558-9  
On hemacytometer counts

Note on theory of binomial or hypergeometric distribution of cells in counting chambers; applicable to plankton counting.

SJH:sjh

G

Smith, F.G.W. (1958) 59-1970  
Denver, Colorado, 7 p.  
Sustenance from the sea

General review paper on fisheries production, possibilities for improvement - resource studies, gear, fish location, handling, etc.

FiB:sjh

M

Clunies-Ross, C.W. (1958) 59-1973  
Biometrics, 14:567  
Mixed exponential failure distributions

Abstr. of paper presented at meetings of the Biometric Society, eastern North America region, & the Institute of Mathematical Statistics in Gatlinburg, Tennessee, April 10, 11 & 12, 1958. Random or negative exponential, distribution of failure is assumed, the parameter of failure is further assumed to have a probability distribution. In particular, the overall distribution of failure is

Hodges, J.L., Jr. (1958) 59-1971  
Biometrics, 14:453-61  
Fitting the logistic by maximum likelihood

Describes a technique, called the transfer method of fitting response & survival curves to quantal data; gives maximum likelihood estimates without tables, charts, or computing machine.

SJH:sjh

G

59-1973  
(Card 2)  
evaluated when the distribution of the parameter is a) Chi-squared; & b) Inverse Gaussian.

SJH:cwc

G



Gart, J.J. (1958) 59-1975

Biometrics, 14:569

A sequential decision procedure for  
comparing survival curves

Abstr. of paper presented at meetings  
of the Biometric Society, eastern North  
American region, & the Institute of  
Mathematical Statistics in Gatlinburg,  
Tennessee, April 10, 11, 12, 1958.  
Gives method of sequential sampling to  
determine parameters of logistic  
survival curves.

SJH:sjh

G

Anonymous (1958) 59-1978

Progr.Rep.Pacif.Cst Stas, (112):6

Steroid hormones in migrating  
sockeye salmon

Note on analysis of plasma of  
migrants from Stuart lake, Canada.

HR:sjh

MF

Berkson, J. (1957) 59-1976

Biometrika, 44(3-4):411-35

Tables for use in estimating the normal  
distribution function by normit  
analysis. Part I. Description and use  
of tables - Part II. Comparison between  
minimum normit  $X^2$  estimate and the  
maximum likelihood estimate

Gives theory & tables for estimating  
parameters of the cumulative normal  
function ("normal ogive") commonly  
encountered in fisheries problems.

FAO:sjh

G

Prakash, A. & 59-1979

D.J. Milne (1958)

Progr.Rep.Pacif.Cst Stas, (112):7-9  
Food as a factor affecting the growth  
of coho salmon off the east and west  
coast of Vancouver island, B.C.

Relation between growth rate, feeding  
intensity & diet composition.

HR:sjh

MF

Doig, A. (1957) 59-1977

Biometrika, 44(3-4):490-514

A bibliography on the theory of queues

Assembly of papers on this aspect of  
probability theory, arranged in  
alphabetical order of author's name,  
with a note for each giving the subject  
category to which it belongs; 10  
categories are chosen, incl. problems  
of storage (dams) flow through net-works,  
inventory, traffic & general theory.

FAO:sjh

G

Waldichuk, M. (1958) 59-1980

Progr.Rep.Pacif.Cst Stas, (112):10-4

Shellfish toxicity and the weather  
in the strait of Georgia during 1957

A bioassay of Crassostrea gigas,  
clams & mussels & relation of results  
of oceanographic factors.

HR:sjh

M

Pike, G.C. (1958) 59-1981  
Progr.Rep.Pacif.Cst Stas, (112):18-20  
Food of the Northern Sea lion

Analyses of stomach contents of  
Eumetopias jubata samples from western  
coast of N. America, in relation to  
predation on commercial fishes,  
especially salmons.

HR:sjh

M

U.K. Ministry of Agriculture 59-1984  
Fisheries & Food (1958)  
Lab.Leafl., Lowestoft, (22):2 p.  
Additions to laboratory leaflets 19  
and 20 concerning the Bear island  
cod fishery

Additions to 580438 concerning  
relation of water conditions to fish  
distribution; ice reports; stock size  
& small fish.

SJH:sjh

M

Anonymous (1958) 59-1982  
FiskBlad., 50(1):3-7  
Fiskeriministeriets forsøgslaboratorium  
(The research laboratory of the  
Ministry of Fisheries)

Description of the activities of the  
Danish laboratory.

FAO:tl

MF

U.K. Ministry of Agriculture 59-1985  
Fisheries & Food (1958)  
Lab.Leafl., Lowestoft, (23):2 p.  
International herring tagging in the  
North Sea 1958

An announcement & explanation of  
marking programme for Clupea harengus.

SJH:sjh

M

Ganowiak, H. (1958) 59-1983  
FiskBlad., 50(1):7  
Polsk havfiskeri (Polish marine  
fishery)

Review of the Polish fishery - number of  
boats, organization, catches, principal  
fishery grounds.

FAO:tl

M

Netherlands. Ministry of 59-1986  
Agriculture, Fisheries & Food (1958?)  
The Hague, 36 p.  
1955-1957 report to the Food and  
Agriculture Organization of the  
United Nations

Incl. chapters on fisheries: summarises  
statistics for numbers of vessels,  
landings (quantities & values),  
exports; organization & finances of  
industries, fishing methods, research  
& advisory work. Expected trends.  
Information relates to Netherlands,  
Netherlands New Guinea, Surinam.  
FiB:sjh MF

Anonymous (1958) 59-1987  
Bull. Chasse-Pêche Congo, 6(23):515-22  
 Production de la pêche au Congo Belge  
 et au Ruanda-Urundi (1950-1957)  
 (Fisheries production of Belgian Congo  
 and Ruanda-Urundi, 1950-1957)

Statistics on production of freshwater  
 rivers & lakes - & marine fisheries;  
 production by provinces of freshwater  
 fisheries; total production of Belgian  
 Congo & Ruanda-Urundi; & fish-culture  
 production.

FAO:hr

MF

Kuehn, J.H. & 59-1990  
 R.E. Schumacher (1957)  
Invest. Rep. Minn. Bur. Res. Plan., (186):  
 41 p.  
 Preliminary report on a two-year  
 census on four southeastern Minnesota  
 trout streams

Covers experiments with fin-clipped  
 trout, Salmo gairdneri, S. trutta &  
Salvelinus fontinalis, to determine  
 angling & stocking mortality, survival  
 differential yield from spring- &  
 fall-stocked trout, differential  
 vulnerability of brown & rainbow trout  
 & movements.

WAD:wad

F

Johnson, M.W. (1957) 59-1988  
Invest. Rep. Minn. Bur. Res. Plan., (183):  
 34 p.  
 Annual report of statewide creel census  
 of 14 Minnesota lakes under Dingell-  
 Johnson Project F-4-R April 1, 1956 to  
 March 31, 1957

Reports on a census to determine yields  
 in numbers & pounds from sport fish in  
 2 different groups of lakes  
 representing major population structure  
 types ("northern pike-panfish" &  
 "walleye"); relation between these  
 types & fishing quality; relation

Dobie, J. (1958) 59-1991  
Invest. Rep. Minn. Bur. Res. Plan., (187):  
 12 p.  
 Walleye rearing ponds

An evaluation of 4 years of intensive  
 management of artificial & drainable  
 ponds used for the production of  
Stizostedion vitreum fingerlings in  
 Minnesota.

WAD:wad

F

59-1988  
 (Card 2)  
 between yield & fishing methods.

Evans, W.A. (1957) 59-1992  
Adm. Rep. Inl. Fish. Calif., (29):21 p.  
 A study of the 1952 trout fishery,  
 Crystal lake, Los Angeles county

Describes a complete creel census on  
 an 8-acre lake where 28,000 angler-  
 hours resulted in a catch of 62 per  
 cent of 19,000 planted trout, Salmo.

WAD:wad

F

WAD:wad

F



Huddle, H.L. (1958) 59-1993  
Adm.Rep.Inl.Fish.Calif., (13):10 p.  
First progress report on evaluation  
of aquatic herbicides in Southern  
California waters, 1957

Lists manufactures, composition, form,  
method of application, concentrations,  
results, precautions for use for  
sodium arsenite, Chem-Pels 2,4-D,  
Karmex W, Radapon, Delrad, Urox, D-B  
Granular, Ureabor & Phygon XL.

WAD:wad

F

McCammon, G.W. & 59-1996  
D.A. LaFaunce (1958)  
Adm.Rep.Inl.Fish.Calif., (23):9 p.  
The food of fingerling largemouth  
bass (Micropterus salmoides) in Clear  
lake, Lake county, during August, 1957

With respect to a large natural lake  
in California summarizes the results of  
similar investigations in 1948 & 1956  
& compares them with 1957 findings;  
emphasis was placed on determination  
of the relationship between length  
of the bass & the type of food eaten.

WAD:wad

F

California Department of 59-1994  
Fish & Game (1958)  
Adm.Rep.Inl.Fish.Calif., (17):21 p.  
The fisheries potential of California  
reservoirs

Discusses the fisheries problems of  
the following types: warmwater  
fluctuating, coldwater fluctuating,  
large unique coldwater, intermediate  
temperature, coldwater regulating;  
suggests steps to increase production  
of sport fish.

WAD:wad

F

Fisher, C.K. (1958) 59-1997  
Adm.Rep.Inl.Fish.Calif., (24):32 p.  
Lake Merced, San Francisco county,  
trout management, 1957 - Considerations  
based on a marked fish and creel  
census study

Describes results of an experiment to  
determine the relative success - in  
terms of return time angler & in growth  
rate - of different lots of fingerling  
& catchable Salmo gairdneri planted at  
different seasons in 2 natural &  
heavily fished lakes in California.

WAD:wad

F

Weaver, A. & 59-1995  
G. Nixon (1958)  
Adm.Rep.Inl.Fish.Calif., (22):3 p.  
Experiment of fingerling return from  
pond reared sac fry

Describes an experiment in which  
rainbow trout, Salmo gairdneri, were  
transferred to rearing ponds at the  
sac fry stage in order to determine  
whether one could safely & economically  
eliminate the normally intermediate  
step of troughs or tanks between  
incubators & rearing ponds.

WAD:wad

F

Allen, K.R. (1958) 59-1998  
Ammohouse Bull., 1(5):8-9  
Distribution of trout in the North  
Island

Presents a distributional map of North  
Island, New Zealand, showing areas  
where Salmo are absent because the  
terrain is too flat, no gravel is  
present or the water is too warm.  
Inaccessible waters are also shown.

FiB:wad

F

Watabe, N. & al. (1957) 59-1999  
Bull.Jap.Soc.sci.Fish., 23:235-40  
 (Studies on the relationship between  
 the qualities of cultured pearls and  
 culture-depth - II.). Ni En

Experiments with Pinctada martensii in  
 3 bays, Mie Prefecture, Japan, having  
 different hydrographic characteristics.

SJH:sjh

M

Mori, T., S. Konosu 59-2002  
 & S. Miyagawa (1957)  
Bull.Jap.Soc.sci.Fish., 23:282-4  
 (Choline content of the muscle of  
 aquatic animals). Ni En

Microbiological assay of Seriola,  
Parathunnus, Trachurus, Sardinia  
melanosticta, Microstomus, Omma-  
strephes, Octopus & Meretrix.

SJH:sjh

M

Hoshina, T., I. Kunimine 59-2000  
 & T. Takahashi (1957)  
Bull.Jap.Soc.sci.Fish., 23:241-4  
 (Preliminary studies on control of the  
Vibrio-disease of rainbow-trout).  
Ni En

Experiments on use of sulfadrugs &  
 antibiotics to reduce mortality of  
Salmo gairdneri caused by bacterium  
Vibrio piscum var. japonicus.

SJH:sjh

F

Brown, W.H. (1959) 59-2003  
Ore.St.Game Bull., 14(2):3, 5-6  
 Wallowa lakes

Popular article on high elevation -  
 7000 - 8,500 ft - wilderness lakes  
 in NE Oregon where stunting of trout  
 is common, & a discussion of  
 management practices to alleviate  
 this: introduction of food organisms,  
 fertilization, more liberal bag  
 limits, thinning of populations with  
 rotenone, introduction of predaceous  
 fish & trout that cannot find  
 spawning facilities.

WAD:wad

F

Nomura, M. & al. (1957) 59-2001  
Bull.Jap.Soc.sci.Fish., 23:245-8  
 (On the horizontal distribution of  
 catch influenced by seam of net in  
 sardine drift nets). Ni En

Differing effects of the joining seam  
 on night & day catches of Sardinia  
melanosticta.

SJH:sjh

M

Anonymous (1957) 59-2004  
Sth.Fisherm., 17:72-3, 81  
 A major trend to double-rig trawling  
 gear

Account of HUSTLER, a 55 food Florida  
 trawler, fitted to tow 2 nets  
 simultaneously from booms. Fishing  
 results.

:sjh

M

Garner, J. (1957) 59-2005  
World Fish., 6:55-6  
The granton trawl. Part 6: the wire  
working gear

Ill. description of gear.

FAO:sjh

M

Anonymous (1957) 59-2008  
West.Fish., 54:16-8  
First seiner of steel

Description of PACIFIC OCEAN.

:sjh

M

Noel, H.S. (1957) 59-2006  
World Fish., 6:59-63  
Some aspects of potting  
  
Account of methods of catching crabs &  
lobsters around British Isles.

FAO:sjh

M

Finn, D.B. (1957) 59-2009  
West.Fish., 54:21, 23, 44-6  
Problems of atomic wastes confront  
fisheries scientists

Problems & research on effects of  
disposal of wastes at sea.

:sjh

M

Anonymous (1957) 59-2007  
Pacif.Fisherm., 55:16  
Saving time, muscle, men, and fish  
on Bristol bay

New handling methods on salmon gill-  
netters working from Seattle.

FAO:sjh

MF

Haslewood, G.A.D. (1957) 59-2010  
Biochem.J., 66:22 p.  
Bile salts of a coelacanth, Latimeria  
chalumnae, Smith

Preliminary results suggest that  
coelacanth bile salts are largely  
primitive, are very complex & contain  
as major constituent alcohol  
sulphate probably not having the  
cholic acid or ranolcyprinol type of  
hydroxylated nucleus.

:cfa

M



Munz, F.W. (1957) 59-2011  
Science, 125:1142-3  
Photosensitive pigments from retinas  
of deep-sea fishes

The new pigments are named "chrysopsins"  
or visual golds & characterized as  
having maximum sensitivity to light  
at a wave-length about 20 m $\mu$  less than  
the  $\lambda_{max}$ . of rhodopsin.

FAO:cfa

M

Eddiwan, (1959) 59-2014  
Occ.Pap.Indo-Pacif.Fish.Coun., (59/2):  
8 p.  
The bank for fishermen's cooperatives

Account of credit scheme to hasten  
boat mechanization, etc., organized  
as a section of the Federation of  
Indonesian Fishermen's Cooperative  
Societies.

SJH:sjh

M

Saiki, M. & al. (1957) 59-2012  
Bull.Jap.Soc.sci.Fish., 22:645-50  
Studies on the radioelements in the  
contaminating radioactive fish - II. On  
skipjacks caught at the Pacific ocean  
in 1956 (Part II)

FAO:

M

Robins, C.R. (1958) 59-2015  
Progr.Rep.Charles F. Johnson oceanic  
Game Fish Invest., (5):4 p.  
Summary of investigations for the  
period comprising November 1957  
through October 1958

Reports on work done on billfishes,  
Istiophoridae, particularly on the  
comenclature of the spp. of Istio-  
phorus tetrapturus & Makaira of the  
world.

FAO:hr

M

Pathak, S.P. & 59-2013  
V.N. Ojha (1957)  
Biochem.J., 66:193-5  
The component acids of some Indian  
fresh-water fish fats

The compositions of the body & visceral  
fats from belgagra, Rita buehanani,  
the body fat of hilsa, Clupondon ilisha  
have been studied. A comparison has been  
made of the body & visceral fat from  
belgagra fish. Comparison has also been  
made between the body fats of Indian  
& British fresh-water fishes.

FAO:glk

F

Boroughs, H., W.A. Chipman 59-2016  
& T.R. Rice (1957)  
Publ.nat.Acad.Sci., (551):80-7  
Laboratory experiments on the uptake,  
accumulation, and loss of radio-  
nuclides by marine organisms

Reports experiments with many spp. of  
algae, Artemia, Penaeus, Callinectes,  
Crassostrea, Venus, Pecten, Tilapia,  
Euthynnus, Neothunnus, Coryphaena,  
Carangoides, Kuhlia, Brevoortia,  
Pomatomus, Micropogon & Menticirrhus.

SJH:sjh

M

Curry-Lindahl, K. (1957) 59-2017  
Almquist & Wiksell, Stockholm, 189 p.  
Fiskarna i färg (Fishes in  
colour)

A popular handbook on Scandinavian  
marine & freshwater fishes; ill. of  
200 spp.

:sjh

MF

Rashevsky, N. (1957) 59-2020  
Bull.math.Biophys., 19:237-40  
Experimental ecology of nutrition of  
fishes

Review of original publication by  
V.S. Ivlev, Moscow, 1955, 252 p.,  
emphasising the need for analytical  
experiments to determine the mechanisms  
of hunting food consumption & other  
phenomena discussed by Ivlev.

GLK:glk

MF

Walters, V. (1958) 59-2018  
Copeia, (3):242  
Fiskarna i färg (Fishes in  
colour)

Critical review of 59-2017.

FAO:

MF

FAO (1958) 59-2021  
Rome, 41 p.  
Report of the F.A.O. Training Centre in  
fishery cooperatives and administration,  
vol. 1

1st volume of report on the FAO Indo-  
Pacific Training Centre held in  
Australia, 16th Dec., 1957 to 25th Jan.  
1958. Account of the organization,  
conduct & training programme of the  
Centre.

FiB:dbf

M

Anonymous (1958) 59-2019  
Copeia, (3):243  
Fauna d'Italia: Leptocardia ciclo-  
stomata selachii (Italian fauna:  
Leptocardia ciclostomata selachii)

Review of original publication by  
E. Tortonese, Ed. Calderini, Bologna,  
1956, 334 p.

FAO:

M

Anonymous (1957) 59-2022  
Bull.Sport Fish.Inst., (69):1-2  
The federal highway construction  
program

Discussion of its effect on sport &  
commercial fisheries of the USA, with  
special reference to the destinction  
of spawning gravels.

WAD:wad

F

Ryhänen, R. (1958) 59-2023  
Suomen Kalastulehti, 65:131-5  
Kalavesien likaantuminen Keski-  
Euroopassa ja meillä (The pollution  
of fishing-waters in central Europe  
and our country)

Review of pollution of inland waters in  
various countries in central Europe &  
comparison of these pollution problems  
with the pollution in Finland.

FAO:tl

F

Toivonen, J. (1958) 59-2026  
Suomen Kalastulehti, 65:152-3  
Epämuodostunut lahna (Deformed  
bream)

Description of deformation of a  
bream caused by deformation of  
vertebrae.

FAO:tl

MF

Pitkänen, H. (1958) 59-2024  
Suomen Kalastulehti, 65:135-9  
Rapuruttotilanne v. 1957 koottujen  
tietojen perusteella (Crayfish-pest  
situation during the year 1957 on the  
basis of collected reports of  
occurrence)

Review of the occurrence & distribution  
of the disease in Finnish waters.

FAO:tl

F

Africk, D.L., P.E. Novak 59-2027  
& J.O. Blomeke (Comp.) (1957)  
Oak Ridge nat.Laboratory,  
Radioactive waste treatment and  
disposal - a bibliography of  
unclassified literature

M

Lagom, T. (1958) 59-2025  
Suomen Kalastulehti, 65:140-3  
Piisami, kalavesiemme kuokkavieras  
(Muskrat, an uninvited visitor in our  
fishery-waters)

Notes on the distribution of muskrat in  
Finland & description of the damages  
caused by it to inland fisheries.

FAO:tl

F

Maine. Department of 59-2028  
Economic Development (1958)  
Augusta, 143 p.  
Bibliography on Maine geology

M



Massachusetts. Division of 59-2029  
Marine Fisheries (1957)  
Boston, 31 p.  
The lobster fishery of Massachusetts

M

Moore, H.B. (1958) 59-2032  
J. Wiley & Sons, Inc., New York, 492 p  
Marine ecology

Text book with chapters on physical,  
chemical & environmental factors,  
habitats, sea bottom-continental shelf,  
organisms of different ecological  
zones; a comprehensive bibliography.

HR:hr

M

Martin, P.S. (1958) 59-2030  
Misc.Publ.Mus.Zool.Univ.Mich., (101):  
102 p.  
A biogeography of reptiles and  
amphibians in the Gomez Farias region,  
Tamaulipas, Mexico

F

Hairston, N.G. (1958) 59-2033  
Evolution, 12:440-50  
Observations on the ecology of  
Paramecium, with comments on the  
species problems

A report on the results obtained from  
studies on the comparative ecology  
of "varieties" of Paramecium aurelia  
by sampling an impounded stretch of a  
river & a small seepage-fed  
tributary stream.

GLK:hr

F

U.S. Office of 59-2031  
Naval Research (1958)  
Washington, D.C., 630 p.  
A decade of basic and applied science  
in the Navy, a symposium sponsored by  
the Office of Naval Research as part of  
its decennial year, March 19 and 20,  
1957

M

Camin, J.H. & 59-2034  
P.R. Ehrlich (1958)  
Evolution, 12:504-11  
Natural selection in water snakes  
(Natrix sipedon L.) on islands in  
lake Erie

Analyses all available data on color  
pattern variation in the water snakes  
of the lake Erie islands.

GLK:hr

F

Garrett, J.T. (1957) 59-2035

Industr. Wastes, 2:17-9

Toxicity considerations in pollution control

Considers the toxic effects to man & animals which may result from continued consumption of water contaminated with industrial waste waters. Gives results of tests on the toxicity of hydrogen cyanide, acrylonitrile, & allied substances, & various chlorinated compounds, such as 1,2-dichloroethane, to the pinperch, Lagodon rhomboides.

:wpa

F

Banerji, S.B. (1958) 59-2038

Sci. & Cult., 23:604-5

Record of high availability of Labeo calbasu, Ham. in the gill net Uduvalai, used in reservoir fisheries of the Damodar Valley Corporation

F

Rao, A.R. &

59-2036

B.N. Saxena (1958)

Sci. & Cult., 23:612-3

Fungal attack on Equisetum debile

F

Ganapati, S.V. &

59-2039

P.I. Chacko (1958)

Madras Freshwater Biological Sta, 17 p.  
Hydrobiology of the Yercaud lake, Shevaroy Hills, South India, with special reference to its suitability for culture of the carp, Cyprinus carpio

Contents as per title.

F

Das, S.M. (1957)

59-2037

Proc.nat.Acad.Sci.India, 27B:150-61

Studies on the ecology of freshwater fishes of India

F

Modder, E. (1957)

59-2040

Loris, 7:457-8

Fishing at mouth of Kal Aru

MF

Morford, K. (1957) 59-2041  
Loris, 7:454-5  
Fish breeding in Upper Hills

F

Varma, K.N. (1957) 59-2044  
Bombay geogr.Mag., 5:37-45  
Study of the growth and development  
of a river cycle with the help of  
aerial photographs

F

Rajan, S.J. & 59-2042  
D.K. Kaushik (1958)  
Indian Fmg., 7(12):20-3  
Boori Narbada makes a good fish breeding  
sanctuary

F

Moona, J.C. (1958) 59-2045  
Sci. & Cult., 24:97-8  
Skull of Hilisa ilisha Hamilton

Yogore, M.G., Jr. A.N. Glenn 59-2043  
& D.C. Benjamin (1957)  
Philipp.J.Sci., 86:37-70  
Studies on paragonimiasis. I. Molluscan  
and crustacean hosts of Paragonimus in  
the Philippines

F

Sathyanesan, A.G. (1958) 59-2046  
Indian J.vet.Sci., 28:13-20  
Studies on the morphology and  
seasonal histological changes in the  
pituitary gland of the fresh water  
teleost Cirrina reba (Hamilton)

F



Morgan-Davies, A.M. (1958) 59-2047  
Loris, 8:1-5  
Introduction to the amphibia of Ceylon  
pearl fishery

Coate, M.M. (1957) 59-2050  
White Oak, Md, 19 p.  
Effect of a single fish on low  
frequency sound propagation

Measurements have been made of the effect of a single fish on underwater sound transmission in the frequency range of 100 to 1000 cps. The experimental results were found to be in very good agreement with the effect predicted on the basis of an ideal spherical air bubble of volume equivalent to that of the fish's air bladder plus an arbitrary additional

Yugoslav National 59-2048  
FAO Committee (1957)  
Yugoslavia, 29 p.  
Report to the Food and Agriculture  
Organization of the United Nations for  
1955 and 1956

Incl. survey of situation of fishing  
industry; production & consumption  
statistics, craft, men, gears, spp.

59-2050  
(Card 2)  
loss term. This indicates that a  
theoretical treatment of the problem  
of many fish may be based on air  
bubbles of this type.

FiB:sjh

M

:usgrr

M

Zinn, D.J. & R.D. Wood (1957) 59-2049  
Narragansett Marine Lab., 21 p.  
Biology of marine fouling growths on and  
adjacent to the bottom. Annual report  
covering period 1 Jan.-31 Dec. 1956,  
under Contract Nonr 396(06)

The severity of fouling on the test  
apparatus is shown to depend on the  
season of the year, the distance of the  
testing apparatus from the bottom, the  
rate at which the attached organisms  
grow, the bulk attained by successive  
layers of growth, & the length of time  
the test apparatus remains in position.

:usgrr

M

Iselin, C.O'D. (1957) 59-2052  
Woods Hole, Mass., 53 p.  
Experimental physical oceanography

Covers research during the period  
June 1 - Dec. 31, 1956 on studies of  
the ocean circulation, wind stress on  
smooth water surfaces, atmospheric  
circulation; wide field photographic  
optics, & timelapse cinephotography  
from shipboard.

:usgrr

M

Metz, C.B. (1957) 59-2053  
In "The Beginning of Embryonic  
Development", by the AAAS, Washington,  
1957:23-69  
Specific egg and sperm substances  
and activation of the egg

A general review, with bibliography,  
referred especially to the eggs of  
echinoderms, & marine annelids &  
molluscs.

GLK:sjh

M

Schaufelberger, P. (1958) 59-2056  
Cenicafé, 9(3-4):65-72  
Mapas climatológicos para Colombia y  
Costa Rica (Climatological maps of  
Colombia and Costa Rica)

Using a combination of the Lang  
humidity factors & 5 temperature  
classes, arrives at 15 types of  
climate in Colombia & 12 in Costa  
Rica.

sta

F

Crowder, M. (1958) 59-2054  
New Commonwealth, 35(12):567-8  
The Gambia is a river

Incl. note on the Atlantic Fisheries  
Project & other reference to fisheries.

:sjh

MF

Burov, A.K. (1958) 59-2057  
Akust.Zh., 4(4):315  
(The production of high intensity  
ultrasound in liquids)

MF

Logan, R., (1958) 59-2055  
Geogr.Rundschau, 10(9):321-31  
Die Landschaften Südwestafrikas  
(The regions of South West Africa)

Since world war II the former German  
South West Africa has developed  
rapidly as a result of the increased  
world demand for its main products,  
incl. lobsters.

:ta

II

Zverev, V.A. & 59-2058  
A.I. Kalachev (1958)  
Akust.Zh., 4(4):321  
(Measurement of sound wave interaction  
in liquids)

MF

Otpushchennikov, N.F. (1958) 59-2059  
Akust.Zh., 4(4):367  
(The velocity of ultrasound in water  
near the freezing point)

MF

Le-Van-Dang, (1958) 59-2062  
Viet-Nam, 21 p.  
List of fresh-water and brackish-  
water fishes of Vietnam

Also gives information on distribution  
& cultivated & wild spp.

F1B:hr

MF

Chernova, O.A. (1958) 59-2060  
Ent.Rev., 37(1):64  
The geographical distribution of  
Ephemeroptera and some peculiar  
features of the fauna of the Amur basin

F

Boroviagin, V.L., V.N. 59-2063  
Efimov & A.P. Dubrov (1958)  
Biophysics, 3(6)  
(Modern ultrafine microtomy and its  
importance in electron microscopical  
investigations in biology)

G

U.S. National 59-2061  
Wildlife Federation (1957)  
Washington, D.C.,  
This we believe

Statement of conservation policy, with  
reference to water resources,  
coordination of river basin development,  
natural stream values & water pollution  
control.

WAD:sjh

Mikhaliuk, I.A. (1958) 59-2064  
Microbiology, Moscow, 27:724  
(Coli-index and fungal microflora in  
waters of varying degree of  
contamination)

F



Kabanov, K.A. (1959) 59-2065  
C.R.Acad.Sci.U.R.S.S., 124:893-5  
 Priznaki opresneniia goterivskogo  
 moria v Ul'ianovskom Povolzh'e  
 (Indications of water freshening of  
 the Hauterivian sea in the Ulyanovsk  
 Near-Volga region)

Annotation to follow.

FAO:

F

Phillips, J.B. (1959) 59-2068  
Calif.Fish Game, 45(1):19-27  
 A review of the lingcod, Ophiodon  
elongatus

Summarizes what is known of its life  
 history & the status of the fishery  
 on the Pacific coast of North  
 America.

HR:wad

M

Nikanorov, Iu.I. (1959) 59-2066  
C.R.Acad.Sci.U.R.S.S., 124:947-8  
 O populiatsionnoi plodovitosti  
 evropeiskoi riapushki Coregonus albula  
 (L.) v ozerakh Latviiskoi SSR  
 (On the population fertility in  
Coregonus albula L. in the lakes of  
 the Latvian SSR)

Annotation to follow.

FAO:

F

Riegel, J.A. (1959) 59-2069  
Calif.Fish Game, 45(1):29-50  
 The systematics and distribution of  
 crayfishes in California

With reference to the 5 spp., 2 sub-  
 families & 3 genera - Pacifastacus,  
Procambarus & Orconectes - known to  
 occur here, provides keys,  
 description, & a history of  
 introductions.

HR:wad

F

Best, E.A. (1959) 59-2067  
Calif.Fish Game, 45(1):5-18  
 Status of the animal food fishery in  
 Northern California, 1956 and 1957

Describes growth of the fishery,  
 method of operation, spp. used,  
 reliability of statistics & conclusions  
 as to effect of the fishery on bottom  
 fish resources.

HR:wad

M

Kenyon, K.W. (1959) 59-2070  
Calif.Fish Game, 45(1):58-9  
 A 15-foot maneater from San Miguel  
 island, California

Records the capture of a Carcharodon  
carcharias in 1958 & provides  
 measurements.

HR:wad

M

Young, E.G., D.G. Smith 59-2071  
& W.M. Langille (1959)

J.Fish.Res.Bd Can., 16(1):7-12

The chemical composition of sea water in the vicinity of the Atlantic provinces of Canada

Samples of sea water from 8 locations at the surface around the coast of the Atlantic provinces of Canada have been analyzed for their content of major & minor chemical constituents. The various ratios of the mineral elements, especially to chlorine, have been calculated, & show only slight

Anas, R.E. (1959) 59-2074

J.Fish.Res.Bd Can., 16(1):91-4

Three-year-old pink salmon

A specimen of Oncorhynchus gorbuscha 552 mm in fork length, taken in the Skeena river fishery in 1956, had scales indicating 2 years of growth completed & substantial 3rd-year growth.

GLK:rea

MF

59-2071  
(Card 2)

divergence from those for open ocean water.

GLK:egy

M

Parker, R.R. & 59-2075  
E.C. Black (1959)

J.Fish.Res.Bd Can., 16(1):95-106

Muscular fatigue and mortality in troll-caught chinook salmon (Oncorhynchus tshawytscha)

Blood samples were analyzed for lactic acid from 66 troll caught chinook salmon after from zero to 10<sup>3</sup>/<sub>4</sub> hours of rest. Fish were held in a live box aboard a trolling vessel.

GLK:rrp

MF

Bishop, Y.M.M. (1959) 59-2073

J.Fish.Res.Bd Can., 16(1):73-90

Errors in estimates of mortality obtained from virtual populations

The bias in individual estimates of the natural mortality coefficient derived from the ratio of successive virtual populations is defined algebraically. Limiting & probable values of this bias are shown graphically for a coefficient of fishing mortality ranging from 0 to -2.0 in the year for which the estimate is obtained.

GLK:yymb

MF

Hewson, L.C. (1959) 59-2076

J.Fish.Res.Bd Can., 16(1):107-20

A seven-year study of the fishery for lake whitefish, Coregonus clupeaformis, on lake Winnipeg

A representative section of the lake Winnipeg whitefish fishery was studied during 7 summers. Variation with time & place in average size composition; age composition of commercial catches; assessment of the intensity of exploitation, & of the influence of water temperature on fishing intensity.

GLK:glk

F

Canagaratnam, P. (1959) 59-2077  
J.Fish.Res.Bd Can., 16(1):121-30  
Growth of fishes in different  
salinities

Comparison of fresh & salt water growth  
of juvenile coho, sockeye & chum salmon  
& of adult goldfish, with strict  
control of temperature & food, to test  
the hypothesis that larger size  
attained by marine forms is due to the  
higher osmotic content of the medium.

GLK:glk

MF

Anonymous (1959) 59-2080  
New Scient., 5:272  
Submarine for undersea research

Short note on the proposed use by  
USSR of the submarine SEVERYANKA for  
study of fish shoals in the Barents  
sea & other aspects of fisheries &  
oceanographic research.

FAO:sjh

M

Hewson, L.C. (1959) 59-2078  
J.Fish.Res.Bd Can., 16(1):131-45  
A study of six winter seasons of  
commercial fishing on lake Winnipeg,  
1950-1955

Investigations of a lake Winnipeg winter  
fishery for sauger, Stizostedion  
canadense, & yellow walleye, S. vitreum  
vitreum, during January & February each  
year. Variations in average size of the  
2 spp. & in average weight. Age  
composition of the sauger catch.  
Examination of the correlation of size  
of catch with temperature & oxygen  
content of the water.

GLK:glk

F

Thieme, P. (1958) 59-2081  
Sci.Amer., 199(4):63-74  
The Indo-European language

Incl. a section on the distribution  
of Salmo salar in Baltic & North seas,  
with reference to the delimitation  
of the Indo-European region.

FAO:sjh

MF

Scripps Institution of 59-2079  
Oceanography. Univ.of California(1959)  
Berkeley, 19 p.  
Memorandum from the Director

An ill. account of current research  
programmes of the Institution; cruise  
schedules & objectives.

FiB:sjh

M

France. Institut Scientifique 59-2082  
& Technique des Pêches  
Maritimes (1957)  
Sci.Pêche, (54):7 p.

Liste chronologique des articles parus  
dans le bulletin d'information et de  
documentation "Science et Pêche"  
(Chronological list of articles  
appearing in the information and  
documentation bulletin "Science and  
Fisheries")

Contents as per title.

FiB:glk

M



Copley, H. (1958) 59-2083  
Witherby, London, 172 p.  
 Common freshwater fishes of East  
 Africa

F

59-2085  
 (Card 2)  
 but can be increased by feeding the  
 fish & by proper breeding techniques.  
Tilapia mossambica has recently been  
 introduced from Portuguese Mozambique  
 for test purposes.

:ta

F

Attenborough, D. (1958) 59-2084  
Pan Books, London 159 p.  
 Zoo quest to Guiana

MF

Kiener, A. (1958) 59-2087  
Bull.Madagascar, 8(147):693-702  
 Intérêt et perspectives de la  
 pisciculture de la carpe à Madagascar  
 (Interests in carp breeding in  
 Madagascar and its prospects)

In 1958 there were 58.000 small family-  
 owned ponds, & some tens of large ponds  
 for tilapia culture; also hundreds of  
 small & some large ponds, as well as  
 some 100 ha of rice fields in the high-  
 lands for carp breeding. Because of  
 the higher fat content of the carp &  
 also because of its greater individual  
 growth, & its higher price as compared

Kiener, A. (1957) 59-2085  
Publ.sci.Afr.S.Sahara, 25:235-7  
Rizipisciculture à Madagascar (Rice  
 and fishculture in Madagascar)

Carrassius auratus was introduced in the  
 rice fields of Madagascar as long ago  
 as 1861. Legendre took a special  
 interest in cyprinid breeding in rice  
 fields round about 1920, & in 1926 the  
 "Service des Eaux et Forêts" started  
 the distribution of fry. Today carp-  
 breeding in rice fields is practised at  
 Betefo at 120 km southeast & Manja  
 kandriana at 50 km east of Tananarive.  
 Yield per ha (200-300 kg) is still low

59-2087  
 (Card 2)  
 with tilapia, the author urges  
 measures to stimulate the breeding of  
 carp, especially in rice fields.

:ta

F

Doran, E. (1958) 59-2089  
Geogr.Rev., 48(3):388-401  
The Caicos conch trade

The Caicos islands, Caribbean area, export conchs (Strombus gigas) dried & frozen - 1955: 2,719,000; 1956: 2,634,000 -. The frozen conchs are flown to Miami by private plane. The export of conch shells for the Miami tourist trade is a new aspect of the Caicos economy. Details on conch psysiology, ecology & distribution, conchs in the past, fishing techniques, the trade in Haiti & distribution of culture tracts.

:ta

M

Collart, A. (1958) 59-2092  
Bull.Agric.Congo belge, 49(5):1169-267  
Pêche artisanale et pêche industrielle au lac Tanganika (The professional and industrial fishery on Tanganyika lake)

A detailed study on fishing on the lake Tanganyika & its possibilities. The history & the techniques used both in professional & in industrial fishing are described.

:ta

F

Barbados (1958) 59-2090  
U.N., ST/TRI/B.1957/6/Add. 1:1-11  
Non-self-governing territories. Summaries of information transmitted to the Secretary-General for 1956 and 1956/57

Incl. notes on Govt. aid to fishing industry.

:sjh

M

Angot, M. (1958) 59-2093  
Quart.Bull.S.Pacif.Comm., 8(4):25-8,33  
Trochus research in New Caledonia

In spite of the existing regulations, trochus in New Caledonia were unable to reproduce at a rate sufficient to keep up with shell caught since trochus fishing became more intensive. To improve the situation, fishing was forbidden in the year starting 1 Sept. 1956. When it was allowed again, the minimum legal size was raised to 10 cm, measured at the maximum diameter of the shell.

:ta

M

Anonymous (1958) 59-2091  
Andean Air Mail & Peruvian Times, 18, 932, p. 14  
Peruvian fishing industry - 1957

Peru maintained her position in 1957 as the leading fish producing nation of Latin America. The volume of fish marketed rose to 453,000 metric tons, an increase of 70% on 1956 output.

:ta

M

Sen, B.R. (1958) 59-2094  
Ass.Int., 10(11):729-35, 745  
FAO's aims and activities

A general survey.

:sjh

MF

McKean, R.N. (1958) 59-2095  
Wiley, New York, 336 p.  
 Efficiency in government through  
 systems analysis, with emphasis on  
 water resources development

G

U.S. Congress. House. 59-2098  
 Committee on Merchant Marine &  
 Fisheries (1957)  
Govt. Print. Off. Washington, 26 p.  
 Small boat safety. Hearing before the  
 Committee on Merchant Marine and  
 Fisheries, House of Representatives,  
 eighty-fifth congress, first session,  
 On H.R. 8474, H.R. 8557, and H.R. 8567,  
 a bill to promote boating safety on the  
 navigable waters of the United States;  
 to provide coordination and cooperation  
 with the states in the interest of  
 uniformity of boating laws, and for  
 other purposes

M

Travassos, H. & 59-2096  
 S. Ypiranga Pinto (1958)  
Bol. Mus. nac. Rio de J., (175): 9 p.  
 Estudos sobre a família Cichlidae - I.  
 (Perciformes - Actinopterygii)  
 (Studies on the family Cichlidae - I.  
 Perciforms - Actinopterygii)

F

U.S. Congress. House. 59-2099  
 Committee on Merchant Marine and  
 Fisheries (1958)  
Govt. Print. Off., Washington, 92 p.  
 Small boat safety. Hearing before the  
 Committee on Merchant Marine and  
 Fisheries, House of Representatives,  
 eighty-fifth congress, second session,  
 on H.R. 11078, to promote boating  
 safety on the navigable waters of the  
 United States, its territories, and  
 possessions; to provide coordination  
 and cooperation with the states in the  
 interest of uniformity of boating laws,  
 and for other purposes

M

Travassos, H. & 59-2097  
 S. Ypiranga Pinto (1957)  
Bol. Mus. nac. Rio de J., (169): 16 p.  
 Ictiofauna de Pirassununga. III -  
 Família Cichlidae (Perciformes -  
 Actinopterygii) (Ichthyofauna at  
 Pirassununga - III. Family Cichlidae,  
 Perciforms - Actinopterygii)

F

Clarke, G.L. (1958) 59-2100  
Woods Hole Mass., 12 p.  
 Quantitative records of the  
 luminescent flashing of oceanic animals  
 at great depths

M



Visser't Hooft, H.P. (1958) 59-2101  
La Haye, 425 p.  
Les Nations Unies et la conservation  
des ressources de la mer, étude des  
rapports entre le codificateur et le  
milieu politique (United Nations  
and the conservation of sea resources,  
study of relations between the  
codifier and the political  
environment)

M

U.S. Congress. House 59-2104  
Committee on Government  
Operations (1957)  
Govt. Print. Off., Washington, 489 p.  
Army-Interior reservoir land  
acquisition policy. Hearings before  
a subcommittee of the Committee on  
Government operations, House of  
Representatives, eighty-fifth  
congress, first session

F

Eckstein, O. (1958) 59-2102  
Harvard Univ. Press, Cambridge, 300 p.  
Water-resource development; the  
economics of project evaluation

F

U.S. Congress. Senate. 59-2105  
Committee on Interior and  
Insular Affairs (1958)  
Govt. Print. Off., Washington, 12 p.  
Relationships of river and related  
water resource development programs  
of United States, Soviet Russia, and  
(Red) China. Supplemental  
memorandum of the chairman to  
members of the Senate Committee on  
Interior and Insular Affairs

F

Harbeck, G.E., Jr. & al. (1958) 59-2103  
Govt. Print. Off., Washington, 100 p.  
Water-loss investigations: lake Mead  
studies

F

East, D.A. & 59-2106  
L. Oschinsky (1958)  
Sankhya, 20(1-2):31-68  
A comparison of serological and  
somatometrical methods used in  
differentiating between certain East  
African racial groups, with special  
reference to  $D^2$  analysis  
  
The statistical technique known as  
Mahalanobis's Generalised Distance,  
or  $D^2$  analysis was applied to anthro-  
pometric data from various East  
African tribes. It was found that a  
high degree of discrimination could

59-2106  
(Card 2)  
be achieved, even between closely-  
related tribes of the Bantu group,  
by basing the analysis on 8 physical  
characters.

FAO:dae

G

U.S. Congress.. House. 59-2110  
Committee on Merchant Marine and  
Fisheries (1957)  
Govt.Print.Off., Washington, 322 p.  
Merchant marine and fisheries  
problems, Alaska and Pacific coast.  
Hearings before the Alaska subcommittee  
of the Committee on Merchant Marine  
and Fisheries, House of Representatives  
eighty-fifty congress, first session

M

Fujita, K. (1957) 59-2108  
Misc.Rep.Res.Inst.nat.Res.,Tokyo, (45):  
50-4  
(Quantitative analysis of sulfate ion  
in the natural water by the EDTA  
titration). Ni En

Description of the titrimetric method.

FAO:tl

MF

Rasquin, P. (1958) 59-2111  
Bull.Amer.Mus.nat.Hist., 114:329-71  
Ovarian morphology and early  
embryology of the pediculate fishes  
Antennarius and Histrio

M

Kurasawa, H. (1957) 59-2109  
Misc.Rep.Res.Inst.nat.Res.Tokyo, (45):  
73-84  
(The weekly succession in the standing  
crop of plankton and zoobenthos in the  
paddy field - II). Ni En

Quantitative investigation of standing  
crops & their seasonal changes.  
Discussion of the environmental  
factors affecting the quantitative  
changes.

FAO:tl

F

Scott, W.B. (1958) 59-2112  
Toronto, 30 p.  
A check list of the freshwater fishes  
of Canada and Alaska

F

Kahn, R.A. (1957?) 59-2113  
Washington, 10 p.  
Ten years' progress in fishery  
economics in the Gulf and Caribbean  
area and a suggested program for the  
next ten years

M

Nicholson, C. (1957) 59-2116  
Bol.Soc.geogr.Lima, 74(1-2):22  
Ideas sobre la morfologia del Mar  
Peruano (Some ideas on the  
morphology of the Peruvian Sea)

M

Lynch, J.E. (1958) 59-2114  
Proc.U.S.nat.Mus., 108(3392):25-37  
Branchinecta cornigera, a new species  
of anostracan phyllopod from the  
state of Washington

F

Knox, G.A. (1957) 59-2117  
Bull.Dep.sci.industr.Res., (122)  
General account of the Chatham  
Islands 1954 expedition

M

Krutilla, J.V. (1958) 59-2115  
J.Hopkins Press, Baltimore, 301 p.  
Multiple purpose river development;  
studies in applied economic analysis

F

Stride, A.H. & 59-2118  
D.E. Cartwright (1958)  
Dock & Harbour Auth., 38(447):323  
Sand transport at southern end of  
the North Sea

M



Tageeva, N.V. & 59-2119  
M.M. Tichomirova (1957)  
C.R.Acad.Sci.U.R.S.S., 112:513  
(Some progresses of the earlier  
diagenese of the sediments in north-  
western part of the Black sea). Ru

M

Flejsman, S.M. (1957) 59-2122  
C.R.Acad.Sci.U.R.S.S., 114:281  
(On the movement of dense currents).  
Ru

M

Bordovsky, O.K. (1957) 59-2120  
C.R.Acad.Sci.U.R.S.S., 113:157  
(Humic substances in the deposits of  
the western part of the Bering sea).  
Ru

M

Chu, C.Y. (1958?) 59-2123  
Hong Kong, 29 p.  
(A study on the fishing techniques of  
ancient China with special reference  
to the Oracle Bone Inscriptions).  
Ni En  
Discussion of evidence from these bone  
inscriptions of the fishing techniques  
employed in China one to two  
thousand years BC.

GLK:glk

F

Sergueyev, I.V. & 59-2121  
G.B. Udintsev (1957)  
C.R.Acad.Sci.U.R.S.S., 113:1123  
(Discovery and exploration of the  
submarine Isakov mountain in the  
Pacific). Ru

M

Čemekov, Iu.F. (1957) 59-2124  
Bull.All-Un.geogr.Soc., 89(3):203  
(The quaternary history of the Ochotsk  
sea)

M

Kuenen, P.H. (1957) 59-2125  
J. Alberta Soc. Petr. Geol., 5(4):59  
Review of marine sand-transporting  
mechanisms

M

Rojo, A. (1957) 59-2128  
Notas y Commun. Madrid, (46):219  
Geología submarina (Submarine  
geology)

M

Kuenen, P.H. (1957) 59-2126  
J. Geol., 65(3):231  
Sole markings of graded graywacke  
beds

M

Bourcart, J. (1957) 59-2129  
Rev. Géogr. phys. Géol. dynam., 1(1)  
Essai de carte sous-marine de l'ouest  
de la Corse (Trial of submarine  
chart of the west part of Corsica)

M

Grell, K.G. (1958) 59-2127  
Naturwissenschaften, 45(2):25  
Studien zum Differenzierungsproblem  
an Foraminiferen (Studies on the  
problems of differentiation of  
foraminifera)

M

Houot, G. (1957) 59-2130  
Bull. Com. centr. Océanogr., (8):455  
Promenades dans les canyons sous-  
marins (Walking on the submarine  
canyons)

M

Schmitz, H.P. (1957) 59-2131  
Acta hydrophys., 4(2):93  
Zur Ermittlung der Geschwindigkeit  
suspendierter Sinkstoffteilchen aus  
der des Wassers (On the  
determination of the sinking speed of  
the suspended particles in the water)

MF

Felsenbaum, A.I. (1957) 59-2134  
C.R.Acad.Sci.U.R.S.S., 113:86  
(On extension of the theory of steady  
currents in a shallow sea to the case  
where the coefficient of vertical  
exchange is variable). Ru

M

Morikawa, G.K. (1957) 59-2132  
Commun.pure appl.Math., 10(2):291  
Non-linear diffusion of flood waves  
in rivers

F

Regir, S.A. (1957) 59-2135  
C.R.Acad.Sci.U.R.S.S., 114:7373  
(Diffusion of the eddy layer and the  
heat exchange). Ru

M

Ficken, F.A. & 59-2133  
B.A. Fleishman (1957)  
Commun.pure appl.Math., 10(2):331  
Initial value problems and time-  
periodic solutions for a nonlinear  
wave equation

M

Busby, J. & 59-2136  
E.G. Richardson (1957)  
Geophysics, 22(4):821  
The absorption of sound in sediments

MF



Yih, C.S. (1957) 59-2137  
Houille Blanche, 12(3):439  
Fonctions de courant dans les  
écoulements à trois dimensions  
(Stream functions in three-dimensional  
flows)

MF

Anonymous (1957) 59-2140  
J.Coast geod.Surv., (7):116  
Echo-sounder corrections

M

Nanda, J.N. (1957) 59-2138  
Indian J.Met.Geophys., 8(3):325  
On origin of fluctuations of sound  
transmissions in the sea

M

Morton, B.R. (1957) 59-2141  
Quart.J.mech.appl.Math., 10(4):433  
On the equilibrium of a stratified  
layer of fluid

G

Ozmirov, P.V. (1957) 59-2139  
Bull.Acad.Sci.U.R.S.S.(Geogr.), (6):756  
(Experimental investigations of the  
horizontal turbulent diffusion in the  
sea and artificial waters basins with  
shallow depths). Ru

M

Lotze, W. (1957) 59-2142  
Z.Geophys., 23(5):243  
Schallgeschwindigkeitsmessungen von  
Eis in Abhängigkeit von Druck und  
Temperatur (Measurement of sound  
speed in the ice in relation to  
pressure and temperature)

MF

Sons, E. (1957) 59-2143  
Atompraxis, 3(8-9):306  
 Die Anwendung radioaktiver Isotope bei  
 der Verfolgung von Abwassereinleitungen  
 in Seen und Küstengewässern  
 (Use of radioactive isotopes by  
 tracing introduction of polluted  
 waters in the lakes and coastal  
 waters)

MF

Buchner, W. (1957) 59-2146  
Atompraxis, 3(10):405  
 Kontinuierliche Messung radioaktiver  
 Substanzen im Wasser (Continuous  
 measurement of radioactive substances  
 in the water)

MF

Pfau, A. (1957) 59-2144  
Atompraxis, 3(10):389  
 Allgemeine Betrachtungen zur Messung  
 und Überwachung der Radioaktivität im  
 Wasser (General consideration on  
 the measurement and control of radio-  
 activity in the water)

MF

Posener, D.W. (1957) 59-2147  
Aust.J.Phys., 10(2):276  
 Hyperfine structure in the microwave  
 spectrum of water, (1):quadrupole  
 coupling in deuterated water

MF

Neuwirth, R. (1957) 59-2145  
Atompraxis, 3(10):402  
 Diskontinuierliche Messung  
 radioaktiver Substanzen im Wasser  
 (Occasional measurement of radioactive  
 substances in the water)

MF

Bezrukov, P.L. & 59-2148  
 E.A. Ostroumov (1957)  
C.R.Acad.Sci.U.R.S.S., 113:142  
 (On phosphorus distribution in the  
 sediments of the Okhotsk sea). Ru

M

Brujewicz, S.W. (1957) 59-2149  
C.R.Acad.Sci.U.R.S.S., 113:387  
(The salinity of sediments solutions  
- interstitial waters - of the  
Okhotsk sea). Ru

M

Brodskaya, N.G. & 59-2152  
T.G. Martova (1957)  
C.R.Acad.Sci.U.R.S.S., 114:165  
(Forms of iron in the modern sediments  
of the Okhotsk sea). Ru

M

Zaitseva, E.D. (1957) 59-2150  
C.R.Acad.Sci.U.R.S.S., 113:1106  
(Exchange capacity of kations of bottom  
deposits in the north-western part of  
the Pacific). Ru

M

Gillbricht, M. (1957) 59-2153  
Helgoländ.wiss.Meeresunters., 6(1):76  
Ein Verfahren zum oxydativen Nachweis  
von organischer Substanz im Seewasser  
(Simple procedure for the oxidative  
test of the organic substances in sea  
water)

M

Bordovsky, O.K. (1957) 59-2151  
C.R.Acad.Sci.U.R.S.S., 113:1321  
(The bituminosity of deposits of the  
western part of the Bering sea). Ru

M

Rippert, I. (1957) 59-2154  
Gesundheitsing., 78(21-22):336  
Einfache titrimetrische Bestimmung von  
Nitraten in Wasser (Simple titri-  
metric determination of nitrates in  
water)

M



Waldmann, J. (1958) 59-2155  
Dtsch.FischZtg., 5:289-91  
Produktionsleistung und Fischereiertrag  
im Meer (Productivity of- and fish  
production in the sea)

General review of the natural  
productivity & resources of the sea,  
with special reference to the shelf  
zones & productivity of Baltic sea in  
respect to commercial fishing.

FAO:dr

M

SPC (1957) 59-2158  
Rev.Publ.S.Pacif.Comm., 2 p.  
SPC quarterly bulletin for April

Reviews progress to date of project in  
Pacific to evaluate the success of an  
extensive trochus transplanting  
program carried out by the Japanese  
in the 1930's &, secondly, to  
introduce trochus to new areas.

FiB:spc

M

Müller, H. (1958) 59-2156  
Dtsch.FischZtg., 5:292-301  
Die Einbürgerung der Kleinen Maräne in  
tiefen Blei-Seen (Transplantation  
of Coregonus albula L. in deep lakes of  
the bream-type)

Reviews knowledge on habit of sp. in  
regard to its transplantation into  
special-type lakes to increase  
commercial catch. Gives selected data on  
growth rate & effect of various gear.

FAO:dr

F

SPC (1957) 59-2159  
Rev.Publ.S.Pacif.Comm., 3 p.  
SPC quarterly bulletin for July

Reviews the present status of the  
industry, & warns of certain dangers  
that threaten it. Successful  
experiments in breeding turtles in  
captivity were recently carried out  
in the Cook islands. Indicates that  
this might prove a worthwhile venture  
commercially.

FiB:spc

M

Menzel, H.U. (1958) 59-2157  
Dtsch.FischZtg., 5:302-11  
Über den Stand und die Aufgaben auf dem  
Gebiet der Mechanisierung in der  
Binnenfischerei (On the situation  
of- and programme for mechanization in  
the inland fisheries)

Reviews application of mechanized  
equipment to lake & river fish-culture.

FAO:dr

F

Kempthorne, O. (1957) 59-2160  
J.Wiley & Sons, Inc., New York, 545 p.  
Genetic statistics

G

Goedecke, E. (1958) 59-2161  
Dtsch.hydrogr.Z., 11:137-65  
 Über Höhe und Eintrittszeit der Extreme  
 sowie deren Schwankungen im mittleren  
 Jahresgang von Temperatur, Salzgehalt  
 und Dichte des Wassers in der Deutschen  
 Bucht (On the height, times of  
 occurrence, and variations of extreme  
 values associated with the annual mean  
 variation of temperature, salinity and  
 density of water in the German Bight).  
 En Fr

Contents as per title.

FAO:tl

M

GFCM (1959) 59-2164  
 FAO, Rome, 46 p.  
 Information bulletin no. 16

Briefly reports activities of GFCM,  
 of its committees & officers, & of  
 FAO Fisheries Division, & of other  
 international organizations. Notes  
 current fisheries developments in  
 Mediterranean countries.

FiB:sjh

MF

Jacoby, G. (1958) 59-2162  
Dtsch.hydrogr.Z., 11:166-77  
 Die Küste Dithmarschens im Kartenbild  
 von 1559 (The coast of Dithmarschen  
 as it is represented on maps edited in  
 about 1559 and later). En Fr

Contents as per title.

FAO:tl

M

Wasserman, A.O. (1958) 59-2165  
Evolution, 12:311-8  
 Relationships of allopatric  
 populations of spadefoots (genus  
Scaphiopus)

Deals with the interrelations of  
 allopatric populations currently  
 known as Scaphiopus h. holbrooki &  
S. h. hurteri as revealed by  
 hybridization tests.

GLK:hr

F

GFCM (1958) 59-2163  
 FAO, Rome, 31 p.  
 Information bulletin no. 15

Briefly reports activities of GFCM, of  
 its committees & officers, & of FAO  
 Fisheries Division & of other  
 international organizations. Notes  
 current fisheries developments in  
 Mediterranean countries.

FiB:sjh

MF

Battaglia, B. (1958) 59-2166  
Evolution, 12:358-64  
 Balanced polymorphism in Tisbe  
reticulata, a marine copepod

A harpacticoid polymorphic sp., whose  
 forms differ from one another in the  
 distribution & intensity of the  
 pigment on the cephalothorax & on the  
 free thoracic segments. The relative  
 viabilities are modified by the degree  
 of crowding, & therefore by larval  
 competition, in the cultures.

GLK:hr

MF

Petkovski, T.K. (1957) 59-2167  
Izdaniya, Skopje, 2(1):16 p.  
 VI Beitrag zur Kenntnis der Grundwasser-  
 Copepoden unserer Meeresküste  
 (VI contribution to the knowledge of  
 ground-water copepods of our sea coast).  
 Ru

List of copepods found in the beach  
 sand near Dubrovnik. Description of 10  
 sp.

FAO:tl

MF

Nagel, L. (1958) 59-2170  
Dtsch.FischZtg., 5:272-8  
 Ein Beitrag zur Pflege der Karpfen-  
 Laichteiche (A contribution to the  
 maintenance of spawning ponds for carp)

Description of reasons that caused  
 quality reductions of spawning ponds  
 in carp culture stations of southeast  
 Saxonia, with suggestions for  
 improvements.

FAO:dr

F

Plomann, J. (1958) 59-2168  
Dtsch.FischZtg., 5:257-60  
 Die Fischwirtschaft im Statistischen  
 Jahrbuch der Deutschen Demokratischen  
 Republik für 1957 (Reference to the  
 fishing industry made in the statistical  
 yearbook of the German Democratic  
 Republic for 1957)

Gives statistics for fish production,  
 processing & imports for years 1951-57,  
 with sp. catch data for 1954-57. Incl.  
 suggestions for improving forthcoming  
 issue of the year-book.

FAO:efa

MF

Rogge, B. (1958) 59-2171  
Dtsch.FischZtg., 5:279-81  
 Nebennutzungen in der Binnenfischerei  
 Muschelwerbung (By-products in  
 inland water fisheries - Mussel  
 production)

Notes on the importance of Unio spp.  
 for button industry.

FAO:efa

F

Hattop, H.-W. (1958) 59-2169  
Dtsch.FischZtg., 5:265-8  
 Die Verwendung von Leitungsstrom zur  
 Elektrofischerei (The application of  
 line current to electrical fishing)

Describes methods & equipments used  
 with brief notes on the installation &  
 running costs.

FAO:efa

F

U.K. Ministry of Agriculture 59-2172  
 Fisheries & Food (1958)  
Lab.Leafl., Lowestoft, (24):2 p.  
 Sprat concentrations in the Wash  
 Dec. 4-8, 1958

Results of research vessel cruise  
 4-8/12/58; echosounder records of  
Clupea sprattus.

SJH:sjh

M



Beklemishev, K.V. (1957) 59-2173  
Trud.vsesoiuz.gidrobiol.ob-va, 8:354-8  
(Superfluous feeding of the zooplankton  
and the problem of sources of food for  
bottom animals). Ru

Discussion of the quantitative uptake  
of food by zooplankton, & speeding up  
of sedimentation of organic matter in  
form of faecal pellets.

:tl

M

Jhingran, V.G. (1957) 59-2176  
Nature, Lond., 179:468-9  
Age determination of the Indian major  
carp Cirrhina mrigala (Ham.) by means  
scales

Preliminary report on annuli-like  
marking on scales & length frequency  
distribution in 5,179 specimens from  
river Ganga in Bihar.

GLK:tjj

F

Birkett, L. (1958) 59-2174  
Fish.Lab., Lowestoft, 6 p.  
Superfluous feeding of the zooplankton  
and the problem of sources of food for  
bottom animals

English translation of 59-2173.

FiB:

M

Veronese, U. (1959) 59-2177  
G.Pesca, 9(3):4  
Il Centro Ittiogenico Sperimentale  
(The experimental fish breeding  
centre)

Ill. description of new station at  
Mantua, Northern Italy, & its  
activity.

SJH:sjh

F

Poulsen, E.M. (1957) 59-2175  
ICNAF Serial No. 506, 3 p.  
Hydrographic section across the  
Labrador sea

Graphical presentation of section  
with temperature & salinity.

FiB:tl

M

Anonymous (1959) 59-2178  
Fish.News, Lond., (2387):13  
New convention to replace 1946  
agreement

Editorial comment on draft convention  
for the establishment of a North East  
Atlantic International Fisheries  
Commission, discussed at London  
meeting during week beginning 19-1-59.

FAO:sjh

M

IHB (1959) 59-2179  
Int.hydr.Bull., (1):1-27  
Bulletin for January

Contains notes on activities of the Bureau & information on charts, sailing directions, lights, tides & currents, work carried out & projected & new charts & new editions of charts.

FAO:glk

M

Faure, L. (1957) 59-2182  
Sci.Pêche, (52):1-4  
Résultats préliminaires de la deuxième campagne 1957 du PRESIDENT THEODORE TISSIER (Preliminary results of the 2nd 1957 cruise of the PRESIDENT THEODORE TISSIER)

Hydrology; fishing methods & grounds for mackerel & marking of that sp.

FAO:glk

M

Menon, A.G.K. (1958) 59-2180  
Curr.Sci., 27:450-1  
Garra ethelwynnae, a new cyprinid fish from Eritrea (Africa)

Description, location of types, relations.

FAO:glk

F

France. Institut des 59-2183  
Pêches (1957)  
Sci.Pêche, (52):5-9  
La campagne du DONIBANE en Méditerranée (The cruise of the DONIBANE in the Mediterranean)

Condition of the sardine fishery in the gulf of Lyon, prospecting by the DONIBANE.

FAO:glk

M

Faure, L. (1957) 59-2181  
Sci.Pêche, (50):4 p.  
La première campagne 1957 du navire océanographique PRESIDENT THEODORE TISSIER (The 1st 1957 cruise of the oceanographic vessel PRESIDENT THEODORE TISSIER)

Area studied, mapping, nature of bottom, division of the area into grounds characterised by different fish communities.

FAO:glk

M

France. Institut des 59-2184  
Pêches (1957)  
Sci.Pêche, (53):4 p.  
Troisième campagne 1957 du PRESIDENT THEODORE TISSIER: golfe de Gascogne, large de la péninsule ibérique et Méditerranée (3rd 1957 cruise of the PRESIDENT THEODORE TISSIER: gulf of Gascony, off the Iberian peninsula, and in the Mediterranean)

Hydrology in the gulf of Gascony & in the western Mediterranean; research on the albacore; trawling in the Mediterranean.

FAO:glk

M

Ancellin, J. (1958) 59-2185  
Sci.Pêche, (55):1-4  
Compte rendu préliminaire de la  
campagne de marquages de harengs à bord  
du PRESIDENT THEODORE TISSIER nov. 1957  
(Preliminary account of a herring  
marking cruise on board the PRESIDENT  
THEODORE TISSIER, Nov. 1957)

Marking materials used, marking  
operations, list of places & dates of  
marking, known recaptures, various  
observations.

FAO:glk

M

SPC (1957) 59-2188  
Rev.Publ.S.Pacif.Comm., 2 p.  
SPC quarterly bulletin for October

FiB:

M

Ancellin, J. (1958) 59-2186  
Sci.Pêche, (55):5-8  
L'influence de la pêche sur le stock  
de harengs - Quelques considérations  
rétrospectives et état actuel de la  
question (The influence of fishing  
on the stock of herring - Some  
retrospective considerations and present  
position of the question)

Discussion of composition of stock,  
yield & regulation.

FAO:glk

M

Swinfield, A.N. (1957) 59-2189  
Quart.Bull.S.Pacif.Comm., 7(4)  
Building small ships for Pacific  
waters

M

Anonymous (1958) 59-2187  
Anexo del Boletín Pedagógico de la  
Institución de Formación del Profesorado  
Madrid, 104 p.  
Oceanografía, biología marina y pesca  
(Oceanography, marine biology and  
fisheries)

A summary of conferences held at the  
Institutes for sea fisheries in Spain.  
Good manual for fishermen.

:hb

M

Saetersdal, G. (1957) 59-2190  
Bergen, (mimeo), 2 p.  
Mesh selection data of Arctic cod and  
haddock - Report of G.O. SARS' cruise  
Sept.-Nov. 1957

Gives mesh selection curves for trawl  
with double nylon cod-end, & length/  
growth ratios of the 2 spp., East  
Finnmark Grounds, Oct. 1957. Relation  
of 50% points to feeding condition  
& differences between the spp.

SJH:sjh

M



Grohs, H. (1957) 59-2191  
Amtlichen Linzer Z., 3:3 p.  
 Die biologische Station in Schärading  
 (The biological station in Schärading)

Description of the history of  
 establishing of the station, its  
 organization, field of work & working  
 conditions & possibilities.

FiB:tl

F

Belgique, Congo Belge 59-2194  
 & Ruanda-Urundi (1957)

53 p.  
 Rapport à la 9e session de la  
 conférence de la FAO (Report to  
 the 9th session of the FAO conference)

Contains sections on marine fisheries  
 of Belgium (pp. 27-33) - Development  
 of sea fleet; quantity & value of  
 fisheries products; imports & exports  
 of Belgian Congo & Ruanda-Urundi  
 (pp. 51-3) - Pisciculture; fresh-water  
 & marine fisheries.

FiB:sjh

MF

Anonymous (1957) 59-2192  
G.Pesca, 7(22):3  
 Un nuovo pesce mediterraneo della  
 famiglia "stromateidae" (A new  
 Mediterranean fish of the family  
 Stromateidae)

SJH:

M

Morrison, R.D. (1957) 59-2195  
Rec.Res.Inst.Statist.N.C., 4:34-5  
 Some studies on the estimates of the  
 exponents in models containing one and  
 two exponentials (Thesis)

SJH:

Dietz, R.S. (1957) 59-2193  
Times Sci.Rev., (26):5  
 Deep sea diving by bathyscaph

Contains information on the principle  
 of the bathyscaph, French research  
 descents, & possibilities of research.

HR:hr

M

Mexico. Instituto Mexicano 59-2196  
 de Recursos (1957)  
 18 p.

5 años - Inauguración del edificio del  
 Instituto Mexicano de Recursos  
 Naturales Renovables (5 years -  
 Inauguration of the premises of the  
 Mexican Institute of Renewable Natural  
 Resources)

Describes objectives, activities, &  
 gives a list of publications of the  
 Institute.

HR:hr

<p>Anonymous (1958) 59-2197  <u>World Crops</u>, 10:432  The weakest link . . . .</p> <p>Editorial comment on problems of recruiting technical staff for international work in the field of food &amp; agriculture.</p>	<p>Abegglen, C.E. &amp; 59-2200  A.Y. Roppel (1959)  <u>J.Wildlife Mgmt</u>, 23(1):75-81  Fertility in the northern fur seal, 1956-57</p> <p>Summary of information on pregnancy rates from one pelagic &amp; 5 land collections of <u>Callorhinus ursinus</u> from Pribilof islands, N. Pacific.</p>
<p>FAO:sjh G</p>	<p>FAO:sjh M</p>
<p>Anonymous (1958) 59-2198  <u>World Crops</u>, 10:434  Water hyacinth</p> <p>Note on first observation of this plant in the Nile, Bahr El Gebel, according to Barclays Bank D.C.O., Khartoum.</p>	<p>Hooper, F.F. (1959) 59-2201  <u>J.Wildlife Mgmt</u>, 23(1):126-7  A treatise of limnology</p> <p>Review of 581057.</p>
<p>FAO:sjh F</p>	<p>FAO: F</p>
<p>Warner, K. (1959) 59-2199  <u>J.Wildlife Mgmt</u>, 23(1):17-27  Migration of landlocked salmon in the fish river lakes, Maine</p> <p>Account of results of tagging experiments on <u>Salmo salar</u> carried out 1953-1955.</p>	<p>Ghaffar, A.S.A. &amp; 59-2202  M.A. Rehim (1958)  <u>Alexandria J.agric.Res.</u>, 6(1):69-77  Preliminary studies on distribution of bacteria in Alexandria hydrodrome</p> <p>Reports on a study of the abundance &amp; distribution of aerobic bacteria present in water &amp; bottom deposits of an artificial Egyptian lake &amp; incl. comparisons with the bacterial populations of 2 natural lakes, Mariut &amp; Edku.</p>
<p>FAO:sjh MF</p>	<p>WAD:wad MF</p>

Mańkowski, W. (1957) 59-2203  
Acta geophys.polon., 5(3):176  
Hydrological conditions in the southern  
Baltic in 1946-1956

M

Lettau, H. (1957) 59-2206  
Beitr.phys.Atm., 30(1):78  
Windprofil, Innere Reibung und  
Energieumsatz in den unteren 500 m  
über dem Meer (Wind profile,  
friction and the energy budget in the  
lower 500 m over the sea)

M

Turekian, K.K. (1957) 59-2204  
Amer.Mus.Novit., (1822)  
Salinity variations in sea water in  
the vicinity of Bimini, Bahamas,  
British West Indies

M

Valdivia Ponce, J. (1957) 59-2207  
Bol.Compadm.Guano, 33(6):7  
El clima y las aves guaneras en 1955  
(The climate and the guano birds in  
1955)

M

Eady, E.T. (1957) 59-2205  
In "The Planet Earth" by Bates, D.R.  
(Ed.), London, 1957, p. 130  
The general circulation of the  
atmosphere and oceans

M

Schweigger, E. (1957) 59-2208  
Bol.Soc.geogr.Lima, 74(3-4):3  
Particularidades fisico-químicas del  
mar Peruano en su normalidad y  
anormalidad (Physical-chemical  
characteristics of the Peruvian sea  
in its normal and abnormal features)

M



Bossolasco, M. (1957) 59-2209  
Geofis.Meteorol., 5(3-4):37  
Le correnti marine e la determinazione  
delle loro caratteristiche (Marine  
currents and the determination of  
their characteristics)

M

Sarkisian, A.S. (1957) 59-2212  
Bull.Acad.Sci.U.R.S.S.(Geophys.), (8):  
1009  
(On the wind driven ocean currents:  
North Atlantic). Ru

M

Kort, V.G. (1957) 59-2210  
Bull.Acad.Sci.U.R.S.S.,(Geogr.), (2):3  
(Main results of the first voyage of  
the Antarctic expedition of the AdW  
of the USSR). Ru

M

Muromcev, A.M. (1957) 59-2213  
Met.Gidrolog., (4):15  
(New map on the distribution of  
salinity and density on the surface of  
the Pacific ocean). Ru

M

Sarkisian, A.S. (1957) 59-2211  
Bull.Acad.Sci.U.R.S.S.(Geophys.), (5):  
616  
(Determination of stationary wind  
currents and the inclination of the  
surface of the homogeneous ocean).  
Ru

M

Muromcev, A.M. (1957) 59-2214  
Met.Gidrolog., (5):21  
(The present stage of the oceanographic  
investigations in the Pacific). Ru

M

Skriptunova, L.I. (1957) 59-2215  
Met.Gidrolog., (7):40

(The influence of the heat balance of the water surface on the progress of the water temperature in North Atlantic). Ru

M

Hemelrijk, P.J. (1957) 59-2218  
Statist.neerl., 11(3):121

The occurrence of "twin" storms from the northwest on the Dutch coast

M

Hoover, R.A. (1957) 59-2216  
Mon.Weath.Rev.Toronto, 85(5):167  
Empirical relationships of the central pressures in hurricanes to the maximum surge and storm tide

M

Krauss, W. (1958) 59-2219  
Umschau, 58(2):45  
Wie entstehen Meeresströmungen?  
(How do the ocean currents originate?)

M

Newell, B.S. (1957) 59-2217  
Fish.Publ., Lond., (9)  
A preliminary survey of the hydrography of the British east African coastal waters

Description of the seasonal changes of surface currents along Tanganyika, Kenya & Somalia coasts; deep water flow in central western Indian ocean; distribution of Temp., S%, O<sub>2</sub> & density with depth & notes on the depth of thermocline, & its effects on productivity.

FAO:t1

M

Lecolazet, R. (1957) 59-2220  
Ann.Géophys., 13(3):186  
Enregistrement et analyses harmonique de la marée gravimétrique à Strasbourg  
(Recording and harmonic analyses of the gravimetric tide at Strasbourg)

MF

Rougerie, P. (1957) 59-2221

Ann.Géophys., 13(3):203

La marée barométrique à Paris

(The barometric tide at Paris)

MF

Tomaschek, R. (1957) 59-2224

Geofis.pur.appl., 37(2):55

Measurements of tidal gravity and load  
deformations on Unst (Shetlands)

M

Bruns, E. (1957) 59-2222

Ann.hydrogr.Stralsund, (8):65

Über das Werk "Theorie der Meereswellen"  
von Akademiemitglied Prof.W.W.

Shuleikin (On the work "Theory of  
the sea waves" by the academist Prof.  
W.W. Shuleikin)

M

MacCamy, R.C. (1957) 59-2225

Houille Branche, 12(3):367, 379

Une solution par potentiel de sources  
pour l'équation des houles à courtes  
crêtes (A source solution for short  
crested waves)

M

Hansen, W. (1957) 59-2223

19th Congr.int.Navig.Londres, Sect.2:5

A method of calculation of long period  
waves

M

Ippen, A.I. & 59-2226

Kulin, G. (1957)

Houille Blanche, 12(3):390; 401

L'effet produit sur les ondes  
solitaires par le frottement à la  
paroi (The effect of boundary  
resistance on solitary waves)

M



Kravchenko, J. & 59-2227  
 A. Daubert (1957)  
Houille Blanche, 12(3):408  
 La houle à trajectoires fermées en  
 profondeur finie (The closed path  
 swell in finite depth)

M

Kononkova, G.E. & 59-2230  
 N.V. Kontobojceva (1957)  
Bull.Acad.Sci.U.R.S.S.(Geophys.), (12):  
 1478  
 (The variation of the surface  
 temperature by sea waves). Ru

M

Biesel, F. & 59-2228  
 B. Le Méhauté, (1957)  
Houille Blanche, 12(3):430  
 Mouvements de seiches à trois  
 dimensions (Movements of three-  
 dimensional tidal waves)

M

Case, K.M. & 59-2231  
 W.C. Parkinson (1957)  
J.fluid Mech., 2(2):172  
 Damping of surface waves in an  
 incompressible liquid

G

Vantroys, L. (1957) 59-2229  
Houille Blanche, (B):640  
 La propagation des ondes de marée  
 (The propagation of the tidal waves)

M

Rosenblatt, M. (1957) 59-2232  
J.Math.& Mech., 6(2):235  
 A random model of the sea surface  
 generated by a hurricane

M

Selickaja, E.S. (1957) 59-2233  
Met.Gidrolog., (6):35  
(On the problem of internal waves).  
Ru

M

Dohr, G. (1957) 59-2236  
Z.Geophys., 23(5):256  
Statistischer Nachweis von Gezeiten in  
Binnenseen, dargestellt am Beispiel  
des Bodensees (Statistical proof  
of the tides in lakes represented on  
an example from the Bodensee)

F

Schuster, K. (1957) 59-2234  
Physikal.Verh., 8(7):164  
Turbulenz und Wellenanfachung  
(Turbulence and the shallowing  
of waves)

M

Schellenberger, G. (1957) 59-2237  
Acta hydrophys., 4(2):71  
Temperatur-registrierungen im Eis des  
Müggelsees bei Berlin im Winter 1955-  
56 (Temperature registrations in  
ice of the Müggelsee by Berlin in the  
winter of 1955-56)

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Wilson, B.W. (1957) 59-2235  
Tech.Mem.U.S.Army Eros.Bd, (98):  
Hurricane wave statistics for the gulf  
of Mexico

M

Hattersley-Smith, G. (1957) 59-2238  
Arctic, 10(1):32  
The rolls of the Ellesmere ice shelf

M

Kluźniak, S. (1957) 59-2239  
Bull.Serv.hydrol.mét., 5(5):25/243  
Congélation exceptionnellement forte des  
eaux polonaises de la mer Baltique en  
1946-47 (Exceptionally strong  
freezing of the Polish waters of the  
Baltic sea in 1946-47)

M

Black, W.A. (1957) 59-2242  
Geogr.Pap.Dep.Mines Tech.Surv., (11)  
An illustrated glossary of ice types  
in the gulf of St. Lawrence

M

Black, W.A. (1957) 59-2240  
Geogr.Pap.Dep.Mines Tech.Surv., (9):  
A report on sea ice conditions in the  
eastern Arctic, summer 1956

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C.N. Forward (1957)  
Geogr.Pap.Dep.Mines Tech.Surv., (12):  
Gulf of the St. Lawrence Ice Survey,  
winter 1956

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Geogr.Pap.Dep.Mines Tech.Surv., (10):  
A preliminary report on ice conditions  
At Cacouna island, Quebec

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Geogr.Pap.Dep.Mines Tech.Surv., (14)  
Gulf of St. Lawrence Ice Survey,  
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Anonymous (1957) 59-2245  
Hydrogr.Bull., Tokyo, (53):6  
(States of sea ice on the coast of  
Hokkaido in 1955). Ni En

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Schmidt-Lamberg, H. (1957) 59-2248  
Seewart, 18(5):209  
Polarforschung und arktische Seefahrt  
(The polar investigations & arctic  
navigation)

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J.Glaciol., (22):103  
The ice of the central polar basin

M

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Seewart, 19(1):26  
Die aussergewöhnliche Nordatlantische  
Eissaison 1957 (The extraordinary  
North Atlantic ice season 1957)

M

Berenbejm, D.Ja. (1957) 59-2247  
Met.Gidrol., (8):45  
(The influence of the atmospheric  
pressures on the temperature of the  
upper layer of the Black sea). Ru

M

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W. Hansen (1957)  
19 Congr.Ass.int.perm.Congr.Navigation  
Londres, Sect.2 Comm.3:5, 15  
Steps to ensure the fixation and the  
preservation of the alluvial islands  
near the south German North sea coast -  
Generalities concerning the influence  
of the currents and water levels in  
the German Bay on the coast formation

M

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19 Congr.Ass.int.perm.Congr.Navigation,  
Londres, Sect.Comm.3:23, 29  
 Le maintien des plages entre le port  
 de Zeebrugge et la frontière  
 néerlandaise - L'entretien de la passe  
 du Stroombank devant le port de  
 Ostende (The shore upholding  
 between the Zeebrugge harbour and the  
 Dutch border-line - The support of the  
 Stroombank harbour channel in front of  
 the Ostenda harbour)

M

Gomes, N. (1957) 59-2254  
19 Congr.Ass.int.perm.Congr.Navigation,  
Londres, Sect.2 Comm.3:175  
 Summary analysis of the physiography  
 of the coast of Mozambique and of the  
 main factors in the movement of the  
 maritime alluviums

M

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 & S.N. Mulekar (1957)  
19 Congr.Ass.int.perm.Congr.Navigation,  
Londres, Sect.2, Comm.3:109, 119  
 Studies in siltation of Cochin port;  
 of Mangalore port

M

Szawernowski, P. & 59-2255  
 P. Slomianko (1957)  
19 Congr.Ass.int.perm.Congr.Navigation,  
Londres, Sect.2 Comm.3:233  
 Etablissement d'un port sur une plage  
 sablonneuse. Influence des  
 constructions portuaires sur le  
 régime des côtes (Establishment  
 of a harbour on a sandy shore.  
 Influence of the harbour constructions  
 on the coastal conditions)

M

Padoan, G. & 59-2253  
 R. Vezzani (1957)  
19 Congr.Ass.int.perm.Congr.Navigation,  
Londres, Sect.2 Comm.3:131  
 Rapport (alluvional deposits in other  
 harbours)

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Bull.Beach Eros.Bd, 11(1):17  
 Status of research in shore line  
 protection

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C.R.Acad.Sci.Paris, 245(5)  
Granulométrie des sédiments carottés  
en Loire (Granulometry of the core-  
sampled sediments in the Loire)

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van Straaten, L.M.J.U. & 59-2260  
Ph.H. Kuenen (1957)  
Geologie en Mijnbouw, (19):329  
Accumulation of fine grained sediments  
in the Dutch Wadden sea

M

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Dtsch.Gewässerkundl.Mitt., 1(4-5):87  
Einige ökologische Bemerkungen über das  
Eiderwatt (An ecological remark  
on the Eider tidal flat)

MF

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Meteorological factors affecting the  
salinity of surface sea water off  
Waltair

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Geologie, 6(6-7):640  
Die Beziehungen zwischen der Fazies  
litoral der Sedimente der Ostsee und der  
Stabilität des Küstenbereiches  
(The relations between the faces of the  
littoral sediments in the Baltic Sea  
and the stability of coastal areas)

M

Dzens-Litovsky, A.I. (1957) 59-2262  
Bull. All-Un.geogr.Soc., 89(2):141  
Delti morskikh proliviv (Deltas  
of marine straits)

M



Zejberlich, N.E. (1957) 59-2263  
Bull.All-Un.geogr.Soc., 89(4):358  
(The formation of the Dead Bight -  
Miortwy Kultuk). Ru

M

Kolp, O. (1957) 59-2266  
Petermanns geogr.Mitt., 101(2):100  
Beobachtungen über den Rückgang der  
Flachküsten zwischen Warnemünde und  
Hiddensee (Observation of the  
retreat of the low coast between  
Warnemünde and Hiddensee)

M

Simon, W.G. (1957) 59-2264  
Mitt.geol.StaatsInst., 26:23  
Über das vermeintliche Vordringen der  
nacheiszeitlichen Nordsee bis in das  
Gebiet des heutigen Hafens von Hamburg  
(On the assumed advancement of the  
post-glacial North Sea until the area  
of the present harbour of Hamburg)

M

Stevenson, R.E. (1957) 59-2267  
Rev.Géogr.phys., 1(1):  
Engineering oceanography in Santa  
Monica bay

M

Nakano, M. (1957) 59-2265  
Pap.Met.Geophys., Tokyo, 7(4):425  
On the eddies of Naruto strait

M

Gorsline, D.S. (1957) 59-2268  
Rev.Géogr.phys., 1(2):  
The relation of bottom sediment type to  
water motion: Sebastian Viscaino bay,  
baja California

M

Schmidt, H. (1957) 59-2269  
Dt. Verl. d. Wissenschaft. Berlin, 64 p.  
 Strelasund und seine morphologischen  
 Probleme (The Strelasund and its  
 morphological problem and recent works  
 of the coastal investigation of it)

M

Boden, B.P. & 59-2272  
 E.M. Kampa (1958)  
Vie & Milieu, 9(1):1-10  
 Lumière, bioluminescence et migrations  
 de la couche diffusante profonde en  
 Méditerranée occidentale (Light,  
 bioluminescence and migrations of the  
 deep diffusing bed in the western  
 Mediterranean). En

Account of work establishing the  
 presence of a migratory DSL in the  
 gulf of Lyon & examining its relation  
 with radiant intensity & with the  
 position of the thermocline.

FAO:glk

M

Davidsson, J. (1957) 59-2270  
Svensk geogr. Årsb., 33:107  
 Investigations of sand movements using  
 radio-active sand

M

Voigt, M. (1958) 59-2273  
Vie & Milieu, 9(1):53-7  
 Notes sur quelques diatomés appartenant  
 au genre Pseudohimantidium (Notes  
 on some diatoma belonging to the  
 family Pseudohimantidium)

Description of P. pacificum v. minor  
 n.v. & P. adriaticum nov. spec., both  
 from the Adriatic.

FAO:glk

M

Lüneburg, H. (1957) 59-2271  
Z. Geophys., 23(2):57  
 Dynamik und Sediment-Transport an der  
 Wattoberfläche des Weserästuars  
 (Dynamic and sediment transport on the  
 surface of the tidal flat of the Weser  
 estuary)

MF

Decloitre, L. (1958) 59-2274  
Vie & Milieu, 9(1):58-61  
 Sur quelques Thécamoebiens des  
 Pyrénées (On some Thecamoeba from  
 the Pyrenees)

Dimensions of several spp. & varieties  
 with some notes on structure.

FAO:glk

F

Cherbonnier, G. (1958) 59-2275  
 Vie & Milieu, 9(1):62-6  
Note sur Pseudothyone sculponea  
nouvelle espèce d'Holothurie Dendrochi-  
rote de Méditerranée (Note on  
Pseudothyone sculponea, new species of  
 Holothurie Dendrochirote of the  
 Mediterranean)

Description of the new sp. & discussion  
 of its differences from related spp.

FAO:glk

M

Bailey, W.B. (1958) 59-2278  
 J.Fish.Res.Bd Can., 15:1163-74  
 On the dominant flow in the strait of  
 Belle Isle

Examination of the possible causes of  
 this dominant flow & analysis of  
 several examples of it in relation to  
 meteorological factors. See 583830.

GLK:glk

M

Portmann, A. (1958) 59-2276  
 Vie & Milieu, 9(1):74-80  
Bosellia mimetica Trinchese, Opisto-  
 branche retrouvé en Méditerranée  
 (Bosellia mimetica Trinchese, Opisto-  
 branche found in the Mediterranean)

Notes on habitat, anatomy, histology,  
 & on spawning & development.

FAO:glk

M

Campbell, N.J. & 59-2279  
 A.E. Collin (1958)  
 J.Fish.Res.Bd Can., 15:1175-88  
 The discoloration of Foxe Basin ice

Various factors of the origin &  
 formation of the dirty ice in Foxe  
 Basin are considered under 2 main  
 concepts of formation: suspension-  
 freezing of sediments & air-borne  
 deposition of dirt. The 2 theories are  
 presented & compared in relation to a  
 number of physical phenomena that have  
 been observed in Foxe Basin.

GLK:glk

M

Laubier, L. (1958) 59-2277  
 Vie & Milieu, 9(1):126-7  
Sur le Lumbriconereis labrofimbriata  
Saint-Joseph 1888 (On the Lumbrico-  
nercis labrofimbriata Saint-Joseph 1888)

Account of finding the specimen, with  
 some anatomical notes.

FAO:glk

M

Dickie, L.M. (1958) 59-2280  
 J.Fish.Res.Bd Can., 15:1189-211  
 Effects of high temperature on  
 survival of the giant scallop

Letthal temperature tests were  
 performed & the dependence of these  
 temperatures on previous temperature  
 experience determined. These results  
 are related to characteristics of the  
 environment, such as oxygen content &  
 salinity of the water. The effect of  
 these temperatures on sexual maturity,  
 growth & other characteristics of the  
 scallop was examined.

GLK:glk

M



Huntsman, A.G. (1958) 59-2281  
J.Fish.Res.Bd Can., 15:1213-8  
Shubenacadie salmon

Historical account of this fishery with discussion on the composition of the stock & the fluctuations in abundance.

GLK:glk

MF

Köhler, A.C. & 59-2284  
J.R. Clark (1958)  
J.Fish.Res.Bd Can., 15:1239-46  
Haddock scale-otolith comparisons

Comparisons of scale & otolith age readings have been made for haddock from subareas 4 & 5 of the ICNAF Convention Area, & analysis of the significance of disagreement with regard to the reading of the age of particular fish.

GLK:glk

M

Jermolajev, E.G. (1958) 59-2282  
J.Fish.Res.Bd Can., 15:1219-28  
Zooplankton of the inner bay of Fundy

Tabulation of the composition of some plankton samples & discussion of those elements that were immigrant or endemic.

GLK:glk

M

Lauzier, L.M. 59-2285  
R.W. Trites (1958)  
J.Fish.Res.Bd Can., 15:1247-57  
The deep waters in the Laurentian Channel

Properties of the deep waters of the Laurentian Channel in Cabot Strait were studied. Salinity, temperature characteristics are described, as are long-term variations in temperature & volume of the deep layer.

GLK:glk

M

Köhler, A.C. (1958) 59-2283  
J.Fish.Res.Bd Can., 15:1229-38  
The validity of otolith age determinations for haddock (Melogrammus aeglefinus L.) from the Lockeport, N.S., area

An analysis of otolith edge types, age compositions, length distributions, & an examination of growth from age-length data as compared from tagging data are presented as evidence for the validity of the otolith method of age determination for Lockeport haddock.

GLK:ack

M

Leim, A.H. (1958) 59-2286  
J.Fish.Res.Bd Can., 15:1259-67  
Fatness of small herring in the bay of Fundy

Fat determinations, by ether extraction, were made on 205 samples of "sardine" herring, Clupea harengus L., from the Quoddy region of the bay of Fundy on the east coast of Canada. The period covered was from 1942 to 1952; season, annual, geographic & other variation was analyzed.

GLK:ahl

M

McCracken, F.D. (1958) 59-2287  
J.Fish.Res.Bd Can., 15:1269-311  
On the biology and fishery of the  
Canadian Atlantic halibut, Hippoglossus  
hippoglossus L.

Location of fishing grounds, movements  
of fish, comparison of populations,  
analysis of the fisheries & discussion  
of prediction of future yields.

GLK:glk

M

59-2289  
(Card 2)  
give on herring movements &  
exchanges between the different  
stocks.

GLK:ram

M

McKenzie, R.A. (1958) 59-2288  
J.Fish.Res.Bd Can., 15:1313-27  
Age and growth of smelt, Osmerus  
mordax (Mitchill), of the Miramichi  
river, New Brunswick

Changes of scales with age, & the  
development of features which permit  
age determination. Analysis of growth.

GLK:glk

F

McLeese, D.W. & 59-2291  
D.G. Wilder (1958)  
J.Fish.Res.Bd Can., 15:1345-54  
The activity and catchability of the  
lobster (Homarus americanus) in  
relation to temperature

Measurement of activity - as walking  
rate - of lobster acclimated to  
various temperatures from 2 to 25°C  
& report of experimental fishing of a  
relatively constant stock, relating  
the results to activity through the  
measurement of temperature.

GLK:glk

M

McKenzie, R.A. & 59-2289  
B.E. Skud (1958)  
J.Fish.Res.Bd Can., 15:1329-43  
Herring migrations in the Passamaquoddy  
region

From June 20 to November 21, 1957,  
37,495 herring were tagged in the  
southern part of the bay of Fundy &  
gulf of Maine. These fish were  
immature & ranged in total length from  
14.2 to 18.7 cm & in age from 1 to 3  
years. Recovery of 792 tagged  
individuals. Account of the recaptures  
& discussion of the evidence these

Medcof, J.C. & 59-2292  
L.W. Thurber (1958)  
J.Fish.Res.Bd Can., 15:1355-69  
Trial control of the greater clam  
drill (Lunatia heros) by manual  
collection

Soft-shelled clams, Mya arenaria,  
38 mm long were planted 172 per m<sup>2</sup> in  
three 10 m<sup>2</sup> plots in a sandy flat  
where none occurred naturally but  
where there were 6 drills per m<sup>2</sup>  
feeding on mussels, Mytilus edulis.  
Rate of migration of drills into the  
plots after this planting, & of the  
survival of the clams were measured.  
GLK:jcm MF

Paloheimo, J.E. (1958) 59-2293  
J.Fish.Res.Bd Can., 15:1371-81.  
Determination of natural and fishing mortalities of cod and haddock from analysis of tag records off Western Nova Scotia

A method of calculation of relation between fishing & natural mortalities when no data on effort or catch related to tag returns are available is described, & is applied to tagging of cod & haddock, the results being then compared with other independent estimates.

GLK:glk

M

Tibbo, S.N. & al. (1958) 59-2296  
J.Fish.Res.Bd Can., 15:1451-69  
On the occurrence and distribution of larval herring (Clupea harengus L.) in the bay of Fundy and the gulf of Maine

Results of the use of Hardy continuous plankton recorders & of plankton nets for determination of major spawning areas & the drift of larvae.

GLK:glk

M

Powles, P.M. (1958) 59-2294  
J.Fish.Res.Bd Can., 15:1383-402  
Studies of reproduction and feeding of Atlantic cod (Gadus callarias L.) in the southwestern gulf of St. Lawrence

Size at maturity, time of spawning, fecundity & food of cod were examined in the southwestern gulf of St. Lawrence during the summers of 1955 & 1956. Maturation, spawning period, fecundity & evidence of feeding habits are reported.

GLK:pmp

M

Takano, K. (1958) 59-2297  
Bull.Inst.océanogr.Monaco, (1128):15  
Sur la circulation générale convective dans les océans - Ière partie  
(On the general convective circulation in the oceans - I part). En

A study of the general circulation produced by a horizontal variation in density of sea water which is maintained at the surface of an infinitely long canal composed of 2 or 3 layers.

FAO:hr

M

Smith, M.W. & J.W. Saunders (1958) 59-2295  
J.Fish.Res.Bd Can., 15:1403-49  
Movements of brook trout, Salvelinus fontinalis (Mitchill), between and within fresh and salt water

An account is given of the movements - as indicated by countings, tagging & other methods - within & between the various types of water, & the movements are related to environmental & other factors.

GLK:glk

MF

Brisou, J., Menantaud & M. Doublet (1958) 59-2298  
Bull.Inst.océanogr.Monaco, (1129):8 p.  
Contribution à l'étude de la flore microbienne normale des estuaires. Les Pseudomonadaceae des boues de la Charente (Contribution to the study of the microflora of estuaries. The Pseudomonadaceae of the mud of the Charente). En

23 strains were isolated from the mud: Pseudomonas, Erwinia, Phytobacterium, Achromobacter & Acinetobacter.

FAO:hr

MF



Fauvel, P. (1958) 59-2299  
Bull.Inst.océanogr.Monaco, (1130):8 p.  
 Sur les Ampharédiens (Annélides  
 Polychètes) de la côte occidentale de  
 l'Afrique (On Ampharetids,  
 Annelida Polychaeta, of the western  
 coast of Africa). En

Notes on the taxonomy & distribution  
 of spp. of Ampharetidae.

FAO:hr

M

Corroy, G. & al. (1958) 59-2300  
Bull.Inst.océanogr.Monaco, (1131):35 p.  
 Les résurgences sous-marines de la  
 région de Cassis (Submarine  
 resurgence of the region of Cassis).  
 En De

Gives the results obtained by  
 subaquatic exploration of under-water  
 springs in the vicinity of Cassis &  
 in the "Fontaine de Vaucluse".

FAO:hr

MF

Duboul-Razavet, C. (1958) 59-2301  
Bull.Inst.océanogr.Monaco, (1132):16 p.  
 Sur quelques lancers de cartes  
 siphonophores et de bidons lestés au  
 large de la baie de Marseille  
 (About some launchings of cards and  
 ballasted cans off the bay of  
 Marseille). En

Reports on observations on surface  
 currents, drifts, hydrodynamic  
 influences on cards & ballasted cans  
 & their speed.

FAO:hr

M

Anichini, C. (1958) 59-2302  
Bull.Inst.océanogr.Monaco, (1133):10 p.  
 Ricerche di biologia marina nei mari  
 circostanti la Sardegna: IV<sup>o</sup> Variazioni  
 quantitative e qualitative dello zoo-  
 plancton nella parte orientale del  
 golfo di Cagliari nell'anno 1957  
 (Marine biological investigations in  
 the surrounding waters of Sardinia. IV.  
 Quantitative and qualitative variations  
 on the eastern part of the gulf of  
 Cagliari during 1957). En Fr

Considers crustaceans, molluscs,  
 tunicates, & celenterates.

FAO:hr

M

Penn, G.H. & 59-2303  
 H.H.Hobbs, Jr. (1958)  
Tex.J.Sci., 10:452-83  
 A contribution toward a knowledge of  
 the crawfishes of Texas (Decapoda,  
 Astacidae)

A preliminary account giving specific  
 key to form I males, diagnosis, life  
 history & ecological notes.

FAO:hr

F

Drewry, G.E., E.A.Delco, Jr. 59-2304  
 & C. Hubbs (1958)  
Tex.J.Sci., 10:489-90  
 Occurrence of the Amazon molly,  
Mollienesia formosa, At San Marcos,  
 Texas

A note on occurrence.

FAO:hr

F

ICNAF (1958) 59-2305  
Halifax, N.S., Canada, 104  
Annual proceedings vol. 8 for the  
year 1957-58

Contains: administrative report &  
financial statements for year ending  
30 June 1958; report of the 8th  
annual meeting, 9-14 June 1958, with  
agenda & list of participants;  
summaries of research, in 1957, by  
countries; selected papers as follows,  
59-2306 to 59-2311.

GLK:sjh

M

Clark, J.R., F.D. McCracken 59-2308  
& W. Templeman (1958)

Annu.Proc.I.C.N.A.F., 8:83-99  
Selected papers from the 1958 annual  
meeting. III. Summary of gear selection  
information for the commission area

Summary, based on papers presented to  
the joint meeting of ICNAF, ICES & FAO  
at Lisbon, 1957, of size selection by  
trawls, hooks, seines, & traps for  
Melanogrammus, Gadus callarias, Hippo-  
glossoides platessoides, Gyptocephalus  
cynoglossus, Merluccius bilinearis,  
Sebastes marinus, & some other  
demersal spp.

GLK:sjh

M

Holt, S.J. (1958) 59-2306  
Annu.Proc.I.C.N.A.F., 8:82  
Selected paper from the 1958 annual  
meeting. I. Collaboration between FAO  
and ICNAF, 1957-58

Summary of a report to the 1958 annual  
meeting, Doc. no.27 Serial No.553, on  
action taken by FAO Fisheries Division  
in response to recommendations in the  
report of the 7th annual meeting of  
ICNAF & other aspects of the current  
work of the division of interest to  
the commission.

GLK:sjh

M

Clark, J.R. & 59-2309  
F.D. McCracken (1958)

Annu.Proc.I.C.N.A.F., 8:99-100  
Selected paper from the 1958 annual  
meeting. IV. Observations on the cod  
trawl fishery in the gulf of St.  
Lawrence during the spring of 1958

Areas fished, gear used, catches  
obtained by French trawlers, observed  
by American & Canadian scientists.  
Size composition, fish discarded.

GLK:sjh

M

Holt, S.J. (1958) 59-2307  
Annu.Proc.I.C.N.A.F., 8:82-3  
Selected paper from the 1958 annual  
meeting. II. A note on the simple  
assessment of a proposal for mesh  
regulation

Theory of a method of estimating  
benefits from knowledge of proportions  
of fish below & above the new selection  
size in the pre-regulation catches &  
the original fishing mortality over the  
range of fish ages between the original  
& new selection sizes.

GLK:sjh

MG

Clark, J.R. (1958) 59-2310

Annu.Proc.I.C.N.A.F., 8:101-2  
Selected paper from the 1958 annual  
meeting. V. Underwater television  
observations on the effect of chafing  
gear on escapement of haddock

Ill. note of experiments in NW  
Atlantic.

GLK:sjh

M

Couture, L.H. (1958) 59-2311

Annu.Proc.I.C.N.A.F., 8:103-4

Selected paper from the 1958 annual meeting. VI. ICNAF mesh regulation - Operation of 10% annual exemption, Oct. 1, 1957, through March 31, 1958

Presents data & a brief assessment of cod & haddock fisheries in NW Atlantic.

GLK:sjh

M

59-2313

(Card 2)

adult beaver are higher than those of yearlings.

FAO:hr

F

Kleerekoper, H. & 59-2312

P.A. Roggenkamp (1959)

Canad.J.Res.(Zool.), 37(1):1-8

An experimental study on the effect of the swimbladder on hearing sensitivity in Ameiurus nebulosus nebulosus (Lesueur)

A threshold curve over the frequency range from 210 to 1840 c.p.s. was established for normal fish as well as for fish in which the swimbladder had been mutilated. A comparison of both threshold curves indicates that the sensitivity in operated fish was decreased in the whole frequency ranges.

FAO:hk

F

Barnes, H. & 59-2315

M. Barnes (1959)

Canad.J.Res.(Zool.), 37(1):15-23

The naupliar stages of Balanus nubilis Darwin

The details of morphology of the 6 naupliar stages are described. The nauplii are particularly characterized by their large size & in the later stages by a distinctly pentagonal outline. The general pattern of development conforms to that previously found for balanid nauplii. Tables are given of sizes & setation formulae.

FAO:hb

M

Stevenson, A.B. & al. (1959) 59-2313

Canad.J.Res.(Zool.), 37(1):9-14

The normal blood chemistry of the beaver (Castor canadensis) - B. Blood glucose, total protein, albumin, globulin, fibrinogen, non-protein nitrogen, amino acid nitrogen, creatine, creatinine, cholesterol, and volatile fatty acids

The determinations of blood components of samples from yearlings & adults were in most cases of much lower values during the summer than in the fall. Where different, the blood values of

Schiffman, R.H. & 59-2316

P.O. Fromm (1959)

Canad.J.Res.(Zool.), 37(1):25-32

Measurement of some physiological parameters in rainbow trout (Salmo gairdnerii)

Data on physiological parameters such as hematocrit, hemoglobin, erythrocyte count & size, organ weights, body-water weight, plasma & blood volumes are given for hatchery-raised Salmo gairdnerii. Methods for obtaining the above data using fingerlings varying in weight from 9 to 29 g are discussed. A



59-2316  
(Card 2)  
comparison of these data with recent summaries of similar data is given & possible reasons for discrepancies are discussed.

FAO:rhs

F

Vatova, A. (1958) 59-2320  
Nova Thalassia, 2(8):110 p.  
Condizioni idrografiche dell'Alta Laguna Veneta (I° contributo per l'Anno Geofisico Internazionale) (Hydrographic conditions of the Upper Lagoon of Venice - I° contribution to the International Geophysical Year).  
En Fr De

Comprehensive physico-chemical study of a 27,605 ha brackish water lagoon connected with the Adriatic sea & a discussion of the effects of its hydrographic conditions on the biota.  
FAO:wad MF

Berkeley, C. (1959) 59-2318  
Canad.J.Res.(Zool.), 37(1):53-8  
Some observations on Cristispira in the crystalline style of Saxidomus giganteus Deshayes and in that of some other Lamellibranchiata

The occurrence of a spirochaete of the genus Cristispira in the crystalline style of Saxidomus giganteus is recorded. The distribution of the organisms in the style, & the possible reasons for their absence in the anterior region of it, are discussed. Occurrences of Cristispira in styles

Hubbs, C. & 59-2321  
G.E. Drewry (1958)  
Amer.Nat., 92:378-80  
Long duration of sperm function in two euryhaline fishes and its lack of significance in hybridization

Results of experiments conducted with Fundulus grandis, F. similis, Etheostoma spectabile & Percina caprodes indicating that duration of sperm function does not act as effectively on isolation mechanism in marine teleosts as it does in freshwater teleosts.  
FAO:hr MF

59-2316  
(Card 2)  
of spp. of Lamellibranchiata other than Saxidomus giganteus, & of their absence elsewhere, are summarized.

FAO:cb

II

Elofsson, R. (1959) 59-2322  
Publ.biol.Sta., Espesgrend, (26):10 p.  
A new decapod larva referred to Calocarides coronatus (Trybom)

3 larvae obtained from the Korsfjord in Western Norway closely resembled Calocaris macandreae in all essential structures but with so many differences that they are considered to belong to Calocarides coronatus.

GLK:hr

M

Robins, C.R. (1958) 59-2323  
Condor, 60(5):300-2  
 Observations on oceanic birds in the  
 gulf of Panama

Records of occurrence of 15 spp.

FAO:hr

M

Svetina, M. (1958) 59-2326  
Bull.franç.Pisc., 31(191):59-65  
 L'ombre et sa reproduction  
 artificielle (Résultats pratiques  
 obtenus en Yougoslavie) (The  
 grayling and its artificial  
 reproduction - Practical results  
 obtained in Yugoslavia)

Contains generalities, considerations  
 on the commercial & sport fishing  
 value, artificial fertilization &  
 breeding.

GLK:hr

F

Tortonese, E. (1958) 59-2324  
Atti Soc.ital.Sci.nat., 97(4):309-45  
 Elenco dei Leptocardi, Ciclostomi,  
 pesci cartilaginei ed ossei del mare  
 Mediterraneo (Catalogue of Lepto-  
 cardi, Cyclostomi, cartilaginous and  
 bony fishes of the Mediterranean)

A taxonomic list of all the spp. of  
 fish known up to date in all the  
 Mediterranean basins, excluding only  
 the Black Sea.

FiB:hr

M

Bachelier, R. (1958) 59-2327  
Bull.franç.Pisc., 31(191):66-73  
 De l'influence des barrages de  
 retenue sur les peuplements salmoni-  
 coles (The influence of dams on  
 salmonid stocks)

Considers the following topics:  
 salmonids & oxygen contents, oxygen  
 contents of reservoir waters, the  
 stocks of salmonids in hydroelectric  
 reservoirs, trout restocking of  
 reservoirs.

GLK:hr

F

Vivier, P. (1958) 59-2325  
Bull.franç.Pisc., 31(191):45-56  
 L'ombre commun (Thymallus thymallus L.)  
 sa reproduction et son élevage  
 (The grayling, Thymallus thymallus L.,  
 its reproduction and breeding)

Contains information on systematics,  
 distribution, feeding, natural  
 reproduction, breeding &  
 characteristics of a good grayling  
 river.

GLK:hr

F

Miener, A. & 59-2328  
 Y. Therezien (1958)  
Bull.franç.Pisc., 31(191):74-85  
 Développement et orientation de la  
 pisciculture à Madagascar  
 (Development and orientation of fish-  
 culture in Madagascar)

A review of the development of fish-  
 culture in Madagascar & in the  
 district of Ifanadiana.

GLK:hr

F

Dieuzeide, R. & 59-2329  
 J. Roland (1958)  
Bull.Sta.Aquic.Pêche Castiglione, (9):  
 11-69  
 Prospections des fonds chalutables des  
 côtes algériennes. Recherches de  
 nouvelles zones (Années 1956-1957)  
 (Survey of the trawling grounds of the  
 coasts of Algeria. Investigation of new  
 zones - Year 1956-1957)

Gives records of captures &  
 characteristics of the zones dragged or  
 trawled at depths varying from 100 to  
 900 m ; notes on sp. captured for the  
 1st time, & a table indicating the

Dieuzeide, R. & 59-2332  
 J. Roland (1958)  
Bull.Sta.Aquic.Pêche Castiglione, (9):  
 103-32  
 Deuxième complément au catalogue des  
 poissons des côtes algériennes  
 (Second complement to the catalogue  
 of the Algerian coasts)

Taxonomic descriptions, with notes on  
 fishing methods, food value, common  
 names of spp. of the families  
 Nettastomidae, Ophichthyidae, Gadidae  
 & Centranchidae.

FAO:hr M

59-2329  
 (Card 2)  
 bathymetric distribution of  
 invertebrates incl. molluscs &  
 crustaceans & fishes.

FAO:hr M

Dieuzeide, R. & 59-2333  
 J. Roland (1958)  
Bull.Sta.Aquic.Pêche Castiglione, (9):  
 134-200  
 Etude biométrique sur les Centra-  
 canthidae du genre Spicara des côtes  
 algériennes (Biometric study of  
 the Centranchidae, genus Spicara,  
 of the Algerian coasts)

A revision of the genus considering  
 the highly polymorphic characteristics  
 of the sp.

FAO:hr M

Deyries, A. (1958) 59-2331  
Bull.Sta.Aquic.Pêche Castiglione, (9):  
 73-100  
 Sur quelques Echinides irréguliers de la  
 baie de Castiglione (Some irregular  
 Echinids of the bay of Castiglione)

Describes spp. of Echinids Exocycloids,  
 & lists together with notes on  
 distribution the spp. of the group  
 known from Algerian coasts up to date.

FAO:hr M

Durand, J.H. (1958) 59-2334  
Bull.Sta.Aquic.Pêche Castiglione, (9):  
 203-19  
 Etude pétrographique de quelques  
 mattes de la région de Castiglione  
 (Alger) (Petrographic study of  
 some "matte" of the region of  
 Castiglione, Alger)

A discussion of the origin of some  
 coastal formations.

FAO:hr M



Vaillant, F. (1958) 59-2335  
Bull.Sta.Aquic.Pêche Castiglione, (9):  
225-59

L'occupation des "places vides" de  
l'habitat madicole (The occupancy  
of "empty areas" of the madicole  
habitat)

A study of composition, development &  
variations of the flora & fauna - algae  
& aquatic insects - on substratum  
covered by a layer of running water of  
less than 2 mm thickness.

FAO:hr

F

Atz, J.W. (1957) 59-2338  
Aquarist & Pondkeeper, 22(9):191-8  
The peregrinating Tilapia

A popular article on Tilapia  
mossambica incl. a short history of  
its introduction into various  
countries, notes on its life history  
& its use for fish culture.

WAD:wad

F

Vaillant, F. (1958) 59-2336  
Bull.Sta.Aquic.Pêche Castiglione, (9):  
263-73

Deux Ceratopogonidae nouveaux de  
l'Algérie (Diptera) (Two new  
Ceratopogonidae of Algeria, Diptera)

Taxonomic description of Culicoides  
dieuzeidei & Atrichopogon latipygus n.  
spp.

FAO:hr

F

Wistrom, C.A. (1957) 59-2339  
Wis.Conserv.Bull., 22(9):3 p.  
Problems in the propagation of  
walleyes

A popular account of culture of  
Stiostedion vitreum in Wisconsin.

WAD:wad

F

Atz, J.W. (1958) 59-2337  
Anim.Kingd., 61(1):27-8  
Now fishes come in plastics bags

Discusses the transport of fish in  
sealed bags containing water & oxygen  
& gives an account of the introduction  
of Tilapia zilli into Antigua & Hawaii.

WAD:wad

F

Threinen, C.W. (1957) 59-2340  
Wis.Conserv.Bull., 22(10):2 p.  
A new invader: the alewife

A popular account of the invasion of  
the Great Lakes, USA, by Pomolobus  
pseudoharengus & a warning against  
introducing it into inland waters.

WAD:wad

MF

Grassé, P.-P. (Ed.) (1958) 59-2341  
Masson & Cie, Paris, 2758 p.  
Traité de zoologie. Anatomie,  
Systématique, Biologie - Agnathes et  
poissons. Anatomie, éthologie, systé-  
matique. 13(1-2-3) (Treatise on  
Zoology. Anatomy, Systematics, Biology.  
Agnates and fishes. Anatomy, ethology,  
systematics. 13(1-2-3)

Comprehensive test published in 3 parts,  
 containing separate articles, 59-2342  
 to 59-2368, & 59-2384 to 59-2476.

FAO:sjh

MF

Damas, H. (1958) 59-2344  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie", by P.-P. Grassé  
(Ed.); Paris, 13(1):22-39  
Sous-embranchement des agnathes  
(Agnatha). Classe des Cyclostomes.  
Formes actuelles - Super-ordres des  
Petromyzonoides et des Myxinoidea.  
Crâne des agnathes (Sub-family of  
agnathes, Agnatha. Class of Cyclostomes,  
Actual forms - Super-orders of Petromy-  
zonoides & of Myxinoidea. The skull of  
agnathes)

Contents as per title.

FAO:

MF

Piveteau, J. (1958) 59-2342  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie", by P.-P. Grassé  
(Ed.), Paris, 13(1):1-10  
Classification des vertébrés  
(Classification of vertebrates)

General introductory chapter to  
 59-2341.

FAO:sjh

MF

Fontaine, M. (1958) 59-2345  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie", by P.-P. Grassé  
(Ed.), Paris, 13(1):39-58  
Sous-embranchement des agnathes  
(Agnatha). Classe des Cyclostomes.  
Formes actuelles. Super-ordres des  
Petromyzonoides et des Myxinoidea.  
Muscles (Sub-family of agnates,  
Agnatha. Class of Cyclostomes. Actual  
forms. Super-orders of Petromyzonoides  
& of Myxinoidea. The muscles)

Contents as per title.

FAO:

MF

Fontaine, M. (1958) 59-2343  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie", by P.-P. Grassé  
(Ed.), Paris, 13(1):13-22  
Sous-embranchement des agnathes  
(Agnatha). Classe des Cyclostomes.  
Formes actuelles - Super-ordres des  
Petromyzonoides et des Myxinoidea.  
Anatomie (Sub-family of agnathes,  
Agnatha. Class of Cyclostomes. Actual  
forms - Super-orders of Petromyzonoides  
and of Myxinoidea. Anatomy)

Contents as per title.

FAO:

MF

Rochon-Duvigneaud, A. (1958) 59-2346  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie", by P.-P. Grassé  
(Ed.), Paris, 13(1):58-65  
Sous-embranchement des agnathes.  
(Agnatha). Classe de Cyclostomes.  
Formes actuelles - Super-ordres des  
Petromyzonoides et des Myxinoidea.  
L'oeil (Sub-family of agnates,  
Agnatha. Class of Cyclostomes. Actual  
forms - Super-orders of Petromyzonoides  
and of Myxinoidea. The eye)

Contents as per title.

FAO:

MF

Fontaine, M. (1958) 59-2347  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):65-8  
 Sous-embranchement des agnathes. (Agnatha). Classe des Cyclostomes. Formes actuelles - Super-ordres des Petromyzonoides et des Myxinoidea. Oreille (Sub-family of agnates, Agnatha. Class of Cyclostomes. Actual forms - Super-orders of Petromyzonoides and of Myxinoidea. The ear)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2350  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):429-32  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Introduction et diagnose (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Introduction and diagnosis)

Contents as per title.

FAO:

MF

Pasteel, J. (1958) 59-2348  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):106-44  
 Sous-embranchement des agnathes. (Agnatha). Classe des Cyclostomes. Formes actuelles - Super-ordres des Petromyzonoides et des Myxinoidea. Développement des agnathes (Sub-family of agnates, Agnatha. Class of Cyclostomes. Actual forms - Super-orders of Petromyzonoides and of Myxinoidea. The development of agnates)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2351  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):433-58  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Peau et pigmentation (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Skin and pigmentation)

Contents as per title.

FAO:

MF

Fontaine, M. (1958) 59-2349  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):144-72  
 Sous-embranchement des agnathes (Agnatha). Classe des Cyclostomes. Formes actuelles - Super-ordres des Petromyzonoides et des Myxinoidea. Biologie. Répartition géographique. Systématique (Sub-family of agnates, Agnatha. Class of Cyclostomes. Actual forms - Super-orders of Petromyzonoides and of Myxinoidea. Biology, geographic distribution, systematics)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2352  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):459-81  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Glandes cutanées et organes lumineux (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Cutaneous glands and luminous organs)

Contents as per title.

FAO:

MF



Bertin, L. (1958) 59-2353  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):482-504  
 Sous-embranchement des Gnathostomes.  
 Super-classe des poissons. Pisces.  
 Ecailles et sclérifications dermiques (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Scales and dermic sclerifications)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2356  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):551-78  
 Sous-embranchement des Gnathostomes.  
 Super-classe de poissons. Pisces. Le crâne des poissons - Classe des Chondrichthyes. I.- Sous-classe des Selachii (Sub-family of Gnathostomes. Super-class of fishes. Pisces. The skull of fishes. Class of Chondrichthyes. I.- Sub-class of Selachii)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2354  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):505-31  
 Sous-embranchement des Gnathostomes.  
 Super-classe des poissons. Pisces.  
 Denticules cutanés et dents (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Cutaneous denticles and teeth)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2357  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):579-80  
 Sous-embranchement des Gnathostomes.  
 Super-classe de poissons. Pisces. Le crâne des poissons - Classe des Chondrichthyes. II.- Sous-classe des Batoïdes (Sub-family of Gnathostomes. Super-class of fishes. Pisces. The skull of fishes. Class of Chondrichthyes. II.- Sub-class of Batoidea)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2355  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):532-50  
 Sous-embranchement des Gnathostomes.  
 Super-classe des poissons. Pisces.  
 Tissus squelettiques (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Skeletal tissues)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2358  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):580-585  
 Sous-embranchement des Gnathostomes.  
 Super-classe des poissons. Pisces. Le crâne des poissons - Classe des Chondrichthyes. III.- Sous-classe des Bradyodontes (Sub-family of Gnathostomes. Super-class of fishes. Pisces. The skull of fishes. Class of Chondrichthyes. III.- Sub-class of Bradyodonti, fossil)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2359  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):586-666  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Le crâne des poissons - Classe des Osteichthyes. I.- Sous-classes des Actinoptérygiens et des Brachioptérygiens (Sub-family of Gnathostomes. Super-class of fishes. Pisces. The skull of fishes - Class of Osteichthyes. I.- Sub-classes of Actinopterygii and Brachiopterygii)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2362  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):688-709  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Squelette axial (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Axial skeleton)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2360  
In Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):666-77  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Le crâne des poissons - Classe des Osteichthyes. II.- Sous-classe des Dipneustes (Sub-family of Gnathostomes. Super-class of fishes. Pisces. The skull of fishes - Class of Osteichthyes. II.- Sub-class of Dipneustes)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2363  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):710-47  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Squelette appendiculaire (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Appendicular skeleton)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2361  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):677-87  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Le crâne des poissons. Classe des Osteichthyes. III.- Sous-classe des Crossoptérygiens-supérieurs ou Coelacanthiens (Sub-family of Gnathostomes. Super-class of fishes. Pisces. The skull of fishes - Class of Osteichthyes. III.- Sub-class of Crossopterygii-superior or Coelacanthii)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2364  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(1):748-82  
 Sous-embranchement des Gnathostomes. Super-classe des poissons. Pisces. Modification des nageoires (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Modifications in fins)

Contents as per title.

FAO:

MF



Le Danois, Y. (1958) 59-2365  
In "Traité de Zoologie, Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(1):783-817  
 Sous-embanchement des Gnathostomes.  
 Super-classe des poissons. Pisces.  
 Système musculaire (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Muscular system)

Contents as per title.

FAO:

MF

Grassé, P.-P. (1958) 59-2368  
In "Traité de Zoologie, Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(1):923-4  
 Sous-embanchement des Gnathostomes.  
 Super-classe des poissons. Pisces.  
 Les organes du tact (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Touch organs)

Contents as per title.

FAO:

MF

Oehmichen, E. (1958) 59-2366  
In "Traité de Zoologie, Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(1):818-53  
 Sous-embanchement des Gnathostomes.  
 Super-classe des poissons. Pisces.  
 Locomotion des poissons (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Locomotion in fishes)

Contents as per title.

FAO:

MF

Nair, N. Balakrishnan (1959) 59-2369  
Publ. biol. Sta., Espegrend, (25):23 p.  
 The marine timber-boring molluscs and crustaceans of Western Norway

The occurrence of Teredo navalis, T. megotara, T. norvegica, Xylophaga dorsalis, Limnoria lignorum & Chelura terebrans is recorded, salient features together with their previous records in Scandinavia & geographic distribution are presented, & ecological conditions & factors influencing the natural population of marine borers are briefly discussed.

GLK:hr

M

Bertin, L. (1958) 59-2367  
In "Traité de Zoologie, Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(1):854-922  
 Sous-embanchement des Gnathostomes.  
 Super-classe des poissons. Pisces.  
 Système nerveux (Sub-family of Gnathostomes. Super-class of fishes. Pisces. Nervous system)

Contents as per title.

FAO:

MF

Mullan, J.W. (1958) 59-2370  
Bull. Div. Fish Game Mass., (17):25 p.  
 The sea-run or "salter" brook trout (Salvelinus fontinalis) fishery of the coastal streams of Cape Cod, Massachusetts

An 8-year study, incl. marking experiments & subsequent sampling - to determine migration, harvest, age, growth, etc. - using electro-fishing, creel census, chemicals & traps.

WAD:wad

MF



Thomas, R. (1958) 59-2371  
Bull.Soc.Hist.nat.Afr.N., 49:83-92  
 Sur quelques Euglypha nouvelles ou peu  
 connues observées en Afrique (Some  
 new or less known Euglypha observed in  
 Africa)

Taxonomic descriptions of the spp.,  
 with notes on their distribution.

FAO:hr

F

Ceylon. Department of 59-2374  
 Fisheries (1958)  
Bull.Dep.Fish., Ceylon, (8):71 p.  
 A guide to the fisheries of Ceylon

A review of the resources - description  
 of fresh, brackish & marine waters &  
 their flora & fauna -, fishing methods,  
 utilization of catch, & fisheries  
 administration. Incl. a bibliography  
 on fisheries of Ceylon.

FAO:wad

MF

Gauthier-Lièvre, L. (1958) 59-2372  
Bull.Soc.Hist.nat.Afr.N., 49:93-101  
Desmidiacées asymétriques - Le genre  
Allorgeia gen.nov. (Asymetric  
 desmidiaceans of the genus Allorgeia  
 gen. nov.)

Taxonomic descriptions of the genus &  
Allorgeia valiae n.sp., with notes on  
 their distribution & ecology.

FAO:hr

F

Debongnie, E. (1958) 59-2375  
Belg.Congo Today, 6(3):32-4  
 To improve native protein diet . . .  
 Fish breeding in the Belgian Congo

Short popular account of development  
 of fishing industry - marine, fresh-  
 water - & fish-culture for Tilapia  
 in the Belgian Congo.

FiB:wad

MF

Romanovsky, V. (1959) 59-2373  
Bull.A.E.P., (31):25-9  
 Un exemple de coopération européenne  
 dans la recherche appliquée: l'étude  
 des salissures marine (An example  
 of European cooperation in applied  
 research: the study of marine fouling)

General considerations on nature of  
 fouling, poisonous paintings, degree of  
 fouling of different parts, etc.

FiB:hr

M

van Ramshorst, J.D. (1958) 59-2376  
Bull.aquat.Biol., spec.no., 10 p.  
 List of references on aquatic plants  
 and allied subjects

A bibliography with primary emphasis on  
 freshwater aquarium plants. The subject  
 arrangement is by: plant groups, books,  
 general article, physiology; marine  
 plants.

FAO:wad

MF

Wales, J.H. (1958) 59-2377  
Adm.Rep.Inl.Fish.Calif., (6):27 p.  
Castle lake investigation - Progress  
report for 1957

A continuation of a study started in  
1941 devoted primarily to stocking  
experiments in an oligotrophic  
California lake using different spp.,  
strains & sizes of trout - Salmo &  
Salvelinus - planted under different  
conditions & with the results determined  
by creel census.

WAD:wad

F

Kimsey, J.B. (1958) 59-2380  
Adm.Rep.Inl.Fish.Calif., (16):21 p.  
Possible effects of introducing thread-  
fin shad (Dorosoma petenense) into the  
Sacramento-San Joaquin delta

A review of its life history & habits,  
& its possible relationships with  
important delta spp. - Oncorhynchus  
tshawytscha, O. kisutch, Salmo  
gairdneri, Roccus saxatilis, Alosa  
sapidissima, etc. - as a basis for  
determining the advisability of  
introducing it as a forage fish.

WAD:wad

MF

Tharratt, R.C. (1958) 59-2378  
Adm.Rep.Inl.Fish.Calif., (10):16 p.  
Hatchery production and fish salvage,  
1957 calendar year

A summary of trout, salmon, centrarchid  
& cyprinid production & planting by  
hatcheries of the California Dep. of  
Fish & Game plus records of fish  
salvage & transplantation of salmonids,  
centrarchids, catfish, cyprinids &  
Roccus saxatilis.

WAD:wad

MF

Elster, H.J. (1958) 59-2381  
Rep.F.A.O/E.T.A.P., (911):33 p.  
A second report to the Government of  
Egypt on the fishery investigations in  
the Nozha hydrodrome, the delta lakes  
of Egypt, and on work in other inland  
waters

An account of the work accomplished  
during 1956-58 on a Technical  
Assistance project involving detailed  
limnological & fisheries studies with  
emphasis on an artificial lake near  
Alexandria, United Arab Republic,  
Southern Region.

SJH:wad

Macklin, R. & 59-2379  
R. Tharratt (1958)  
Adm.Rep.Inl.Fish.Calif., (15):34 p.  
California trout production and costs,  
1957-1958

A review of production in the hatcheries  
of the California Dep. of Fish & Game  
incl. statistics on trout, salmon,  
warm-water fish (centrarchids & catfish)  
& fish salvage. Comparison with  
previous years.

WAD:wad

F

Coates, J.A. & 59-2382  
J.E. Halver (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (281):  
9 p.  
Water-soluble vitamin requirements of  
silver salmon

Describes feeding experiments with  
Oncorhynchus kisutch fingerlings to  
determine qualitative requirements.

WAD:wad

MF

Brasch, J., J. McFadden 59-2383  
& S. Kmiotek (1958)  
Publ. Wis. Conserv. Dep., (226):11 p.  
The eastern brook trout, its life  
history, ecology and management

Reviews classification, distribution,  
habits & habitat, reproduction, growth,  
& longevity, populations, ecology,  
angling, culture & management of  
Salvelinus fontinalis with specific  
reference to Wisconsin.

WAD:wad

F

Grassé, P.-P. (1958) 59-2386  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(2):934-9

Super-classe des poissons. Les sens  
chimiques - III. La physiologie des  
organes chimiorécepteurs (Super-  
class of fishes. The chemical senses -  
III. The physiology of the chemo-  
receptor organs)

Contents as per title.

FAO:

MF

Grassé, P.-P. (1958) 59-2384  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(2):925-30  
Super-classe des poissons. Les sens  
chimiques - I. Les organes de l'odorat  
(Super-class of fishes. The chemical  
senses - I. The olfactory organs)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2387  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(2):940-1  
Super-classe des poissons. Le système  
latéral. Partie générale (Super-  
class of fishes. The lateral system.  
General part)

Contents as per title.

FAO:

MF

Grassé, P.-P. (1958) 59-2385  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(2):930-3  
Super-classe des poissons. Les sens  
chimiques - II. Les organes du goût  
(Super-class of fishes. The chemical  
senses - II. The taste organs)

Contents as per title.

FAO:

MF

Devillers, C. (1958) 59-2388  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(2):941-81  
Super-classe des poissons. Le système  
latéral. Partie générale - I.  
Terminaisons sensorielles (Super-  
class of fishes. The lateral system.  
General part - I. Sensorial terminations)

Contents as per title.

FAO:

MF



Devillers, C. (1958) 59-2389  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):982-8  
 Super-classe des poissons. Le système latéral. Partie générale - II. Canaux (Super-class of fishes. The lateral system. General part - II. Canals)

Contents as per title.

FAO: MF

Devillers, C. (1958) 59-2392  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):993-1003  
 Super-classe des poissons. Le système latéral. Partie spéciale - I. Système latéral des Chondrichthyes (Super-class of fishes. The lateral system. Special part - I. Lateral system of the Chondrichthyes)

Contents as per title.

FAO: MF

Devillers, C. (1958) 59-2390  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):988-92  
 Super-classe des poissons. Le système latéral. Problèmes généraux. I. Phylogénèse du système latéral (Super-class of fishes. The lateral system. General problems. I. Phylogenesis of the lateral system)

Contents as per title.

FAO: MF

Devillers, C. (1958) 59-2393  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1004-17  
 Super-classe des poissons. Le système latéral. Partie spéciale - II. Système latéral des Actinoptérygiens (Super-class of fishes. The lateral system. Special part - II. Lateral system of the Actinopterygii)

Contents as per title.

FAO: MF

Devillers, C. (1958) 59-2391  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):992-3  
 Super-classe des poissons. Le système latéral. Problèmes généraux. II.- Relations du système latéral avec la métamérie générale (Super-class of fishes. The lateral system. General problems - II. Relations between the lateral system and the general metamerism)

Contents as per title.

FAO: MF

Devillers, C. (1958) 59-2394  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1018  
 Super-classe des poissons. Le système latéral. Partie spéciale - III. Système latéral des Brachiopterygii (Super-class of fishes. The lateral system. Special part - III. Lateral system of Brachiopterygii)

Contents as per title.

FAO: MF

Devillers, C. (1958) 59-2395  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1018-23  
 Super-classe des poissons. Le système latéral. Partie spéciale - IV. Système latéral des Dipnoi (Super-class of fishes. The lateral system. Special part - IV. The lateral system of the Dipnoi)

Contents as per title.

FAO:

MF

Budker, P. (1958) 59-2398  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1045-51  
 Super-classe des poissons. Les organes sensoriels cutanés des Sélaciens - II. Ampoules de Lorenzini (Super-class of fishes. Sensorial skin organs of the Selachii - II. Ampullas of Lorenzini)

Contents as per title.

FAO:

M

Devillers, C. (1958) 59-2396  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1023-32  
 Super-classe des poissons. Le système latéral. Partie spéciale. V. Système latéral des Crossopterygii-Coelacanthidae (Super-class of fishes. The lateral system. Special part - V. Lateral system of the Crossopterygii-Coelacanthidae)

Contents as per title.

FAO:

MF

Budker, P. (1958) 59-2399  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1051-3  
 Super-classe des poissons. Les organes sensoriels cutanés des Sélaciens - III. Vésicules de Savi (Super-class of fishes. The sensorial skin organs of the Selachii - III. Vescicles of Savi)

Contents as per title.

FAO:

M

Budker, P. (1958) 59-2397  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1033-45  
 Super-classe des poissons. Les organes sensoriels cutanés des Sélaciens - I. Cryptes sensorielles (Super-class of fishes. Sensorial skin organs of the Selachii - I. Sensorial pit organs)

Contents as per title.

FAO:

M

Budker, P. (1958) 59-2400  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1053-62  
 Super-classe des poissons. Les organes sensoriels cutanés des Sélaciens - IV. Fonction des organes sensoriels cutanés (Super-class of fishes. The sensorial skin organs of the Selachii - IV. The function of the sensorial skin organs)

Contents as per title.

FAO:

M

Grassé, P.-P. (1958) 59-2401  
In "Traité de Zoologie. Anatomie,  
 Systématique, Biologie", by P.-P. Grassé  
 (Ed.), Paris, 13(2):1063-98  
 Super-classe des poissons - L'oreille  
 et ses annexes (Super-class of  
 fishes - The ear and its annexes)

Contents as per title.

FAO:

MF

Fessard, A. (1958) 59-2404  
In "Traité de Zoologie. Anatomie,  
 Systématique, Biologie", by P.-P. Grassé  
 (Ed.), Paris, 13(2):1162-92  
 Super-classe des poissons - Les organes  
 électriques. Structure des organes  
 électriques (Super-class of fishes.  
 The electrical organs. Structure of  
 the electrical organs)

Contents as per title.

FAO:

MF

Rochon-Duvigneaud, A. (1958) 59-2402  
In "Traité de Zoologie. Anatomie,  
 Systématique, Biologie", by P.-P. Grassé  
 (Ed.), Paris, 13(2):1099-142  
 Super-classe des poissons - L'oeil et  
 sa vision (Super-class of fishes -  
 The eye and the sight)

Contents as per title.

FAO;

MF

Fessard, A. (1958) 59-2405  
In "Traité de Zoologie. Anatomie,  
 Systématique, Biologie", by P.-P. Grassé  
 (Ed.), Paris, 13(2):1192-213  
 Super-classe des poissons - Les organes  
 électriques. Physiologie générale des  
 organes électriques (Super-class of  
 fishes. The electrical organs - General  
 physiology of the electrical organs)

Contents as per title.

FAO:

MF

Fessard, A. (1958) 59-2403  
In "Traité de Zoologie. Anatomie,  
 Systématique, Biologie", by P.-P. Grassé  
 (Ed.), Paris, 13(2):1143-62  
 Super-classe des poissons - Les organes  
 électriques. Généralités (Super-  
 class of fishes - The electrical  
 organs. General)

Contents as per title.

FAO:

MF

Fessard, A. (1958) 59-2406  
In "Traité de Zoologie. Anatomie,  
 Systématique, Biologie", by P.-P. Grassé  
 (Ed.), Paris, 13(2):1214-38  
 Super-classe des poissons - Les organes  
 électriques. Physiologie spéciale des  
 organes électriques (Super-class of  
 fishes - The electrical organs. Special  
 physiology of the electrical organs)

Contents as per title.

FAO:

MF



Bertin, L. (1958) 59-2407  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1239-47  
 Super-classe des poissons - Organes sonores (Super-class of fishes - Sound-giving organs)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2410  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1278-89  
 Super-classe des poissons. Appareil digestif. Intestins moyen et postérieur (Super-class of fishes - Digestive apparatus. Medium and posterior intestines)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2408  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1248-67  
 Super-classe des poissons - Appareil digestif. Cavité bucco-pharyngienne (Super-class of fishes - Digestive apparatus. Buccal-pharyngeal cavity)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2411  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1289-302  
 Super-classe des poissons - Appareil digestif. Foie et pancréas (Super-class of fishes - Digestive apparatus. Liver and pancreas)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2409  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1267-77  
 Super-classe des poissons - Appareil digestif. Intestin antérieur (Super-class of fishes - Digestive apparatus. Anterior intestine)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2412  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1303-6  
 Super-classe des poissons - Organes de la respiration aquatique. Surface cutanée (Super-class of fishes - Organs for aquatic respiration. Skin surface)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2413  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1306-26  
 Super-classe des poissons - Organes de la respiration aquatique. Branchies internes (Super-class of fishes - Organs for aquatic respiration. Internal gills)

Contents as per title.

FAO: IF

Bertin, L. (1958) 59-2416  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1342-62  
 Super-classe des poissons - Vessie gazeuse (Super-class of fishes - Swim bladder)

Contents as per title.

FAO: MF

Bertin, L. (1958) 59-2414  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1327-35  
 Super-classe des poissons - Organes de la respiration aquatique. Mécanisme respiratoire (Super-class of fishes - Organs for aquatic respiration. Respiratory mechanism)

Contents as per title.

FAO: MF

Bertin, L. (1958) 59-2417  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1363-70  
 Super-classe des poissons - Organes de la respiration aérienne. Organes branchiaux (Super-class of fishes - Organs for air respiration. Branchial organs)

Contents as per title.

FAO: F

Bertin, L. (1958) 59-2415  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1335-41  
 Super-classe des poissons - Organes de la respiration aquatique. Branchies externes (Super-class of fishes - Organs for aquatic respiration. External gills)

Contents as per title.

FAO: MF

Bertin, L. (1958) 59-2418  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1371-5  
 Super-classe des poissons - Organes de la respiration aérienne. Organes pharyngiens (Super-class of fishes - Organs for air respiration. Pharyngeal organs)

Contents as per title.

FAO: F

Bertin, L. (1958) 59-2419  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1375-84  
 Super-classe des poissons - Organes de la respiration aérienne. Organes oesophagiens (Super-class of fishes - Organs for air respiration. Esophageal organs)

Contents as per title.

FAO:

F

Bortin, L. (1958) 59-2422  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1399-1406  
 Super-classe des poissons - Appareil circulatoire. Coeur (Super-class of fishes - Circulatory system. The heart)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2420  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1385-7  
 Super-classe des poissons - Organes de la respiration aérienne. Organes intestinaux (Super-class of fishes - Organs for air respiration. Intestinal organs)

Contents as per title.

FAO:

F

Bortin, L. (1958) 59-2423  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1406-28  
 Super-classe des poissons - Appareil circulatoire. Système artériel (Super-class of fishes - Circulatory system. The arterial system)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2421  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1388-98  
 Super-classe des poissons - Organes de la respiration aérienne. Bionomie, physiologie, évolution (Super-class of fishes - Organs for air respiration. Bionomics, physiology, evolution)

Contents as per title.

FAO

F

Bertin, L. (1958) 59-2424  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1428-44  
 Super-classe des poissons - Appareil circulatoire. Système veineux (Super-class of fishes - Circulatory system. The vein system)

Contents as per title.

FAO:

MF



Bertin, L. (1958) 59-2425  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1444-54  
 Super-classe des poissons - Appareil circulatoire. Système lymphatique (Super-class of fishes - Circulatory system. The lymphatic system)

Contents as per title.

FAO:

MF

Vivien, J. (1958) 59-2428  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1470-83  
 Super-classe des poissons - Les glandes endocrines. I. Formations thyroïdiennes et post-branchiales (Super-class of fishes - The endocrine glands - I. Thyroid and post-branchial formations)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2426  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1454-8  
 Super-classe des poissons - Appareil circulatoire. Nomenclature synonyme des parties de l'appareil circulatoire (Super-class of fishes - Circulatory system. Synonymous nomenclature of the parts of the circulatory system)

Contents as per title.

FAO:

MF

Vivien, J. (1958) 59-2429  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1483-4  
 Super-classe des poissons - Les glandes endocrines - II. Formations post-branchiales (Super-class of fishes - The endocrine glands - II. Post-branchial formations)

Contents as per title.

FAO:

MF

Fontaine, M. (1958) 59-2427  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1459-69  
 Super-classe des poissons - Milieu intérieur (Super-class of fishes - Blood, plasma and lymph)

Contents as per title.

FAO:

MF

Vivien, J. (1958) 59-2430  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1484-1502  
 Super-classe des poissons - Les glandes endocrines - III. Système chromaffine, formations interrénales et corpuscules de Stannius (Super-class of fishes - The endocrine glands - III. Chromaffin system, interrenal formations and corpuscles of Stannius)

Contents as per title.

FAO:

MF

Vivien, J. (1958) 59-2431  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1503-10  
Super-classe des poissons - Les glandes endocrines - IV. Pancréas endocrine (Super-class of fishes - The endocrine glands - IV. Endocrine pancreas)

Contents as per title.

FAO:

MF

Vivien, J. (1958) 59-2434  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1534-44  
Super-classe des poissons - Les glandes endocrines - VII. Le sac vasculaire (Super-class of fishes - The endocrine glands. VII. The vascular sac)

Contents as per title.

FAO:

MF

Vivien, J. (1958) 59-2432  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1510-1  
Super-classe des poissons - Les glandes endocrines - V. Epiphyse (Super-class of fishes - The endocrine glands. V. Epiphysis)

Contents as per title.

FAO:

MF

Gérard, P. (1958) 59-2435  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1545-64  
Super-classe des poissons - Appareil excréteur. Agnathes et Gnathostomes (Super-class of fishes - Excretory apparatus. Agnates and Gnathostomes)

Contents as per title.

FAO:

MF

Vivien, J. (1958) 59-2433  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1511-34  
Super-classe des poissons - Les glandes endocrines - VI. Hypophyse (Super-class of fishes. The endocrine glands. VI. Hypophysis)

Contents as per title.

FAO:

MF

Gérard, P. (1958) 59-2436  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1565-83  
Super-classe des poissons - Organes reproducteurs. Agnathes et Gnathostomes (Super-class of fishes - Reproductive organs. Agnates and Gnathostomes)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2437  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1584-652  
 Super-classe des poissons - Sexualité et fécondation (Super-class of fishes - Sexuality and fecondation)

Contents as per title.

FAO:

MF

Pasteels, J. (1958) 59-2440  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1711-43  
 Super-classe des poissons - Développement embryonnaire - II. Développement des Ostéichthyens (Super-class of fishes - Embryonic development. II. Development of Osteichthyes)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2438  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1653-84  
 Super-classe des poissons - Nidification (Super-class of fishes - Nidification)

Contents as per title.

FAO:

MF

Pasteels, J. (1958) 59-2441  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1743-54  
 Super-classe des poissons - Développement embryonnaire. III. Développement des Dipneustes ou Choanoichthyens (Super-class of fishes - Embryonic development. III. Development of Dipneustes or Choanoichthyii)

Contents as per title.

FAO:

MF

Pasteels, J. (1958) 59-2439  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1685-711  
 Super-classe des poissons - Développement embryonnaire. I. Développement des Elasmobranches ou Chondrichthyens (Super-class of fishes - Embryonic development. I. Development of Elasmobranches or Chondrichthyes)

Contents as per title.

FAO:

MF

Budker, P. (1958) 59-2442  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1755-90  
 Super-classe des poissons - La viviparité chez les Sélaciens (Super-class of fishes - Viviparity at the Selachii)

Contents as per title.

FAO:

M



Bertin, L. (1958) 59-2443  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(2):1791-812  
 Super-classe des poissons - Viviparité des Téléostéens (Super-class of fishes - Viviparity of the Teleostei)

Contents as per title.

FAO:

MF

Fage, L. (1958) 59-2446  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):1842-9  
 Super-classe des poissons - Croissance - Races - Migrations. II. Races (Super-class of fishes - Growth - Races - Migrations. II. Races)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2444  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):1813-34  
 Super-classe des poissons - Larves et métamorphoses (Super-class of fishes - Larvae and metamorphosis)

Contents as per title.

FAO:

MF

Fage, L. & M. Fontaine (1958) 59-2447  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):1850-76  
 Super-classe des poissons - Croissance - Races - Migrations. III. Migrations (Super-class of fishes. Growth - Races - Migrations. III. Migrations)

Contents as per title.

FAO:

MF

Fage, L. (1958) 59-2445  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):1835-42  
 Super-classe des poissons - Croissance - Races - Migrations. I. Croissance (Super-class of fishes - Growth - Races - Migrations. I. Growth)

Contents as per title.

FAO:

M

Fage, L. (1958) 59-2448  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):1876-84  
 Super-classe des poissons - Croissance - Races - Migrations. IV. Conclusions (Super-class of fishes - Growth - Races - Migrations. IV. Conclusions)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2449  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(3):1885-933  
Super-classe des poissons - Ecologie  
(Super-class of fishes - Ecology)

Contents as per title.

FAO:

MF

Bertin, L. & 59-2452  
C. Arambourg (1958)  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(3):1949-66  
Super-classe des poissons - Ichthyo-  
géographie - II. Principaux problèmes  
ichthyogéographiques (Super-class  
of fishes - Ichthyogeography - II.  
Principal ichthyogeographical problems)

Contents as per title.

FAO:

MF

Guibé, J. (1958) 59-2450  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(3):1934-43  
Super-classe des poissons - Les poissons  
toxicophores (Super-class of  
fishes - Poisonous fishes)

Contents as per title.

FAO:

MF

Bertin, L. & 59-2453  
C. Arambourg (1958)  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(3):1967-74  
Super-classe des poissons - Systématique  
des poissons - I. Histoire de la  
classification ichthyologique  
(Super-class of fishes - Systematics  
of fishes - I. The history of ichthy-  
ological classification)

Contents as per title.

FAO:

MF

Bertin, L. & 59-2451  
C. Arambourg (1958)  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(3):1944-8  
Super-classe des poissons - Ichthyo-  
géographie - I. Succession et distri-  
bution des faunes ichthyologiques  
anciennes (Super-class of fishes -  
Ichthyogeography - I. Succession and  
distribution of old ichthyological  
faunas)

Contents as per title.

FAO:

MF

Bertin, L. & 59-2454  
C. Arambourg (1958)  
In "Traité de Zoologie. Anatomie,  
Systématique, Biologie" by P.-P. Grassé  
(Ed.), Paris, 13(3):1974-83  
Super-classe des poissons - Systématique  
des poissons - II. Classification  
adoptée (Super-class of fishes -  
Systematics of fishes - II. Adopted  
classification)

Contents as per title.

FAO:

MF

Arambourg, C. & 59-2455  
 L. Bertin (1958)  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2010-5  
 Super-classe des poissons - Classe des Chondrichthyens (Chondrichthyes)  
 Super-class of fishes - Class of the Chondrichthyes)

Contents as per title.

FAO: M

Arambourg, C. & 59-2458  
 L. Bertin (1958)  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2024-44  
 Super-classe des poissons - Classe des Chondrichthyens - Sous-classe des Sélaciens (Selachii). Super-ordre des Euselachii. Série des Plourotremata (Super-class of fishes - Class of the Chondrichthyes - The sub-class of the Selachii. Super-order of the Euselachii. Series of the Plourotremata)

Contents as per title.

FAO: M

Arambourg, C. & 59-2456  
 L. Bertin (1958)  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2016-22  
 Super-classe des poissons - Classe des Chondrichthyens - Sous-classe des Sélaciens (Selachii). Super-ordre des Protoselachii (Super-class of fishes - Class of the Chondrichthyes - The sub-class of Selachii. Super-order of the Protoselachii)

Contents as per title.

FAO: M

Arambourg, C. & 59-2459  
 L. Bertin (1958)  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2044-56  
 Super-classe des poissons - Classe des Chondrichthyens - Sous-classe des Sélaciens (Selachii). Super-ordre des Euselachii. Série des Hypotremata (Super-class of fishes - Class of the Chondrichthyes - The sub-class of the Selachii. Super-order of the Euselachii. Series of the Hypotremata)

Contents as per title.

FAO: M

Arambourg, C. & 59-2457  
 L. Bertin (1958)  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2022-3  
 Super-classe des poissons - Classe des Chondrichthyens - Sous-classe des Sélaciens (Selachii). Super-ordre des Euselachii (Super-class of fishes - Class of the Chondrichthyes - The sub-class of Selachii. Super-order of the Euselachii)

Contents as per title.

FAO: M

Arambourg, C. & 59-2460  
 L. Bertin (1958)  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2057-67  
 Super-classe des poissons - Classe des Chondrichthyens - Sous-classe des Bradyodontes (Bradyodonti) (Super-class of fishes - Class of the Chondrichthyes - Sub-class of the Bradyodonti)

Contents as per title.

FAO: M



Arambourg, C. (1958) 59-2461  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2068-9  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes)  
 (Super-class of fishes - Class of the Osteichthyes)

Contents as per title.

FAO:

MF

Arambourg, C. & L. Bertin (1958) 59-2464  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2173-94  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Actinoptérygiens (Actinopterygii). Super-ordre des Holostéens et des Halécostomes (Holostei et Halecostomi). Super-ordre des Holostei (Super-class of fishes - Class of the Osteichthyes - Sub-class of Actinopterygii. Super-order of Holostei & Halecostomi. Super-order of Holostei)

Contents as per title

FAO:

MF

Lehman, J.-P. (1958) 59-2462  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2070-129  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Actinoptérygiens (Actinopterygii). Généralités et evolution (Super-class of fishes - Class of the Osteichthyes - Sub-class of Actinopterygii. Generalities and evolution)

Contents as per title.

FAO:

MF

Arambourg, C. & L. Bertin (1958) 59-2465  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2195-203  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes). Sous-classe des Actinoptérygiens (Actinopterygii). Super-ordre des Holostéens et des Halécostomes (Holostei et Halecostomi). Super-ordre des Halecostomi (Super-class of fishes - Class of the Osteichthyes. Sub-class of Actinopterygii. Super-order of Holostei & Halecostomi. Super-order of Halecostomi)

Contents as per title.

FAO:

MF

Bertin, L. (1958) 59-2463  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2165-72  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes). Sous-classe des Actinoptérygiens (Actinopterygii). Super-ordre des Chondrostéens. Formes actuelles (Super-class of fishes - Class of the Osteichthyes. Sub-class of the Actinopterygii. Super-order of the Chondrostei. Actual forms)

Contents as per title.

FAO:

MF

Bertin, L. & C. Arambourg (1958) 59-2466  
In "Traité de Zoologie. Anatomie, Systématique, Biologie" by P.-P. Grassé (Ed.), Paris, 13(3):2204-500  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes). Sous-classe des Actinoptérygiens (Actinopterygii). Super-ordre des Téléostéens (Teleostei) (Super-class of fishes - Class of the Osteichthyes - Sub-class of the Actinopterygii. Super-order of the Teleostei)

Contents as per title.

FAO:

MF

Daget, J. (1958) 59-2467  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2501-21  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes). Sous-classe des Brachioptérygiens (Brachiopterygii) (Super-class of fishes - Class of the Osteichthyes. Sub-class of the Brachiopterygii)

Contents as per title.

FAO:

F

Millot, J. & J. Anthony (1958) 59-2470  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2553-4  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes). Sous-classe des Crossoptérygiens (Crossopterygii). Crossoptérygiens actuels: Latimeria chalumnae (Super-class of fishes - Class of the Osteichthyes - Sub-class of Crossopterygii. Actual Crossopterygii: Latimeria chalumnae)

Contents as per title.

FAO:

M

Arambourg, C. & J. Guibé (1958) 59-2468  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2522-31  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Dipneustes (Dipneusti) (Super-class of fishes - Class of the Osteichthyes - Sub-class of Dipneusti)

Contents as per title.

FAO:

F

Millot, J. & J. Anthony (1958) 59-2471  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2554-8  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Crossoptérygiens (Crossopterygii). Crossoptérygiens actuels: Latimeria chalumnae. Morphologie externe (Super-class of fishes - Class of Osteichthyes - Sub-class of Crossopterygii. Actual Crossopterygii. Latimeria chalumnae. External morphology)

Contents as per title.

FAO:

M

Arambourg, C. & J. Guibé (1958) 59-2469  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2531-40  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Dipneustes (Dipneusti). Biologie des Dipneustes (Super-class of fishes - Class of the Osteichthyes - Sub-class of the Dipneusti. Biology of the Dipneusti)

Contents as per title.

FAO:

F

Millot, J. & J. Anthony (1958) 59-2472  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2558-90  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Crossoptérygiens (Crossopterygii). Crossoptérygiens actuels: Latimeria chalumnae. Anatomie interne (Super-class of fishes - Class of Osteichthyes - Sub-class of Crossopterygii. Actual Crossopterygii: Latimeria chalumnae. Internal anatomy)

Contents as per title.

FAO:

M



Millot, J. & J. Anthony (1958) 59-2473  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2590-3  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Crossoptérygiens (Crossopterygii). Crossoptérygiens actuels: Latimeria chalumnae. Biologie (Super-class of fishes - Class of Osteichthyes - Sub-class of Crossopterygii. Actual Crossopterygii: Latimeria chalumnae. Biology)

Contents as per title.

FAO:

M

Grassé, P.-P. (Ed.) (1958) 59-2476  
In "Traité de Zoologie, Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2606-65  
 Addenda - Poissons (Addenda - Fishes)

Contents as per title.

FAO:

MF

Millot, J. & J. Anthony (1958) 59-2474  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2593-7  
 Super-classe des poissons - Classe des Ostéichthyens (Osteichthyes) - Sous-classe des Crossoptérygiens (Crossopterygii). Crossoptérygiens actuels: Latimeria chalumnae. Systématique (Super-class of fishes. Class of Osteichthyes - Sub-class of Crossopterygii. Actual Crossopterygii: Latimeria chalumnae. Systematics)

Contents as per title.

FAO:

M

Tucker, D.W. (1959) 59-2477  
Nature, Lond., 183:495-501  
 A new solution to the Atlantic eel problem

Presents detailed evidence & arguments for the following theories: that European eels do not return to their ancestral spawning areas; that American eels, Anguilla rostrata, & European eels, A. anguilla, are merely eco-phenotypes of A. anguilla; that populations of so-called "European" eels are entirely maintained by requirements of larvae of American "A. rostrata" parentage.

GLK:wad

MF

Fontaine, M. (1958) 59-2475  
In "Traité de Zoologie. Anatomie, Systématique, Biologie", by P.-P. Grassé (Ed.), Paris, 13(3):2601-5  
 Addenda - Cyclostomes actuels (Addenda - Actual Cyclostomes)

Contents as per title.

FAO:

MF

Scaife, J.F. (1959) 59-2478  
Nature, Lond., 183:541-2  
 Stability of cholinesterase of the electric eel

Describes studies indicating that inactivation of acetylcholinesterase from Electrophorus electricus in dilute solutions is primarily a surface phenomenon.

GLK:wad

F



Kent, A.K. (1959) 59-2479  
Nature, Lond., 183:544-5  
Distribution of melanophore-aggregating hormone in the pituitary of the minnow

Describes experiments with Phoxinus phoxinus.

GLK:wad

F

Fries, L. (1959) 59-2482  
Nature, Lond., 183:558-9  
Goniotrichum elegans: a marine red alga requiring vitamin B<sub>12</sub>

Describes experiments in culturing this alga which add a member of the Rhodophyta to the list of vitamin B<sub>12</sub> heterotrophic algae.

GLK:wad

M

Hurley, D.E. & 59-2480  
D.G. McKnight (1959)  
Nature, Lond., 183:554-5  
Occurrence of Pyrosoma on the sea-floor 160 metres deep

Describes presence of what are believed to be Pyrosoma a. atlanticum resting on or near the bottom of Cook Strait, New Zealand, as revealed by photographs, & describes other pertinent observations.

GLK:wad

M

Rossiter, J.R. (1958) 59-2483  
Phil.Trans., 251(991):139-60  
Storm surges in the North Sea, 11 to 30 December 1954

M

Brackkan, O.R. (1959) 59-2481  
Nature, Lond., 183:556-7  
Red muscle as a possible character for the identification of sharks

Suggests its use; based on observations of its differing position in Lamna nasus & Isurus oxyrinchus.

GLK:wad

M

Gibbney, L.F. (1957) 59-2484  
Rep.A.N.A.R.E., 1B:25 p.  
The seasonal reproductive cycle of the female elephant seal - Mirounga leonina, Linn. - at Heart Island

The reproductive history of the female is described for 4 significant periods in the annual cycle, namely the breeding & mating season in the spring, the moulting season in summer, & autumn peak ashore, & in the winter. Cases of miscarriage are recorded & suggestions advanced as to their cause.

FAO:lfg

M

A.F. (1958)	1834
Aass, P. (1959)	1501
Abegglen, C.E. & A.Y. Roppel (1959)	2200
Africk, D.L., P.E. Novak & J.O. Blomeke (1957)	2027
Allen, K.R. (1958)	1998
Alperin, I.M. (1958)	1913
Alston, R.E. (1958)	1506
Amano, M. (1957)	1683
Anas, R.E. (1959)	2074
Ancellin, J. (1958)	1814 2185 2186
Andersen, K. (1958)	1475
Anderson, D.L. (1958)	1942
Anderson, H. (1958)	1510
Angot, M. (1958)	2093
Anichini, C. (1958)	2302
Anthony, J. (1958)	2470 to 2474
Arambourg, C. (1958)	2451 to 2454 2461 2466
Arambourg, C. & L. Bertin (1958)	2455 to 2460 2464 2465
Arambourg, C. & J. Guibé (1958)	2468 2469
Ariav, Y. (1958)	1800
Armstrong, T. (1957)	2246
Asaoka, O. (1957)	1667
Assman, A.V. (1958)	1697
Attenborough, D. (1958)	2084
Atz, J.W. (1957)	2338
Atz, J.W. (1958)	2337
Aubry, R. (1959)	1720 1955
Austin, T.S. (1958)	1786
Bába, K. (1958)	1784
Bachelier, R. (1958)	2327
Bader, R.G. (1958)	1580
Bailey, R.E. (1957)	1459
Bailey, W.B. (1958)	2278
Ball, E.A.R. (1958)	1599
Banerji, S.B. (1958)	2038
Barbados (1958)	2090
Barnes, C.A., J.H. Lincoln & M. Rattray, Jr. (1958)	1578
Barnes, C.A. & R.G. Paquette (1958)	1569
Barnes, H. & M. Barnes (1959)	2315
Barnes, M. (1959)	2315
Basnayake, V. & C.H. Fernando (1958)	1829
Batham, E.J. (1958)	1412
Battaglia, B. (1958)	2166
Bauch, G. (1958)	1620

Beklemishev, K.V. (1957)	2173
Belgique, Congo Belge & Ruanda-Urundi (1957)	2194
Belloc, G. (1958)	1650
Benjamin, D.C. (1957)	2043
Ben-Tuvia, A. (1958)	1768 1805
Ben-Yami, M. (1958)	1770 1804
Berenbejm, D.Ja. (1957)	2247
Berg, K. (1958)	1469 1479 1482 1483
Berg, K. & H. Mathiesen (1958)	1470
Berg, K. & U. Røen (1958)	1468
Berg, S.E. (1957)	1596
Berkeley, C. (1959)	2318
Berkson, J. (1957)	1976
Bernstein, D. (1958)	1769
Bertelsen, E. (1958)	1836
Berthois, L. (1957)	2257
Bertin, L. (1958)	2350 to 2355 2362 2363 2364 2367 2407 to 2426 2437 2438 2443 2444 2449 2455 to 2460 2463 2464 2465
Bertin, L. & C. Arambourg (1958)	2451 to 2454 2466 2067
Best, E.A. (1959)	2148
Bezrukov, P.L. & E.A. Ostroumov (1957)	1785
Biczók, F. (1958)	2228
Biesel, F. & D. Le Méhauté (1957)	1825
Bijvoet, H.C. (1958)	2174
Birkett, L. (1958)	2073
Bishop, Y.M.M. (1959)	2075
Black, E.C. (1959)	2240 2242 2244
Black, W.A. (1957)	2243
Black, W.A. & C.N. Forward (1957)	1415
Blaxter, J.H.S. & F.G.T. Holliday (1958)	2027
Blomeke, J.O. (1957)	2272
Boden, B.P. & E.M. Kampa (1958)	1532 1611
Böhlke, J.E. (1958)	1696
Bogachev, V.V. (1958)	1748 1751 1753
Bogen, H. (1957)	1774
Bogorov, V.G. & A.D. Dobrovolskii (1957)	1514
Bogoslovskii, A.S. (1958)	1554
Bolin, R.L. (1958)	2120 2151
Bordovsky, O.K. (1957)	

Boroughs, H., W.A. Chipman & T.R. Rice (1957)	2016	Chacko, P.I. (1958)	2039
Boroviagin, V.L., V.N. Efimov & A.P. Dubrov (1958)	2063	Cherbonnier, G. (1958)	2275
Bossolasco, M. (1957)	2209	Chernova, O.A. (1958)	2060
Boudou, M. (1958)	1951	Chile. Ministerio de Agricultura. Departamento de Fomento de Pesca y Caza (1958)	1728
Bourcart, J. (1957)	2129	Chipman, W.A. (1957)	2016
Braekkan, O.R. (1959)	2481	Chipman, W.A. (1958)	1776
Brasch, J., J. McFadden & S. Kmiotek (1958)	2383	Chittleborough, R.G. & K. Godfrey (1957)	1750
Brazil. Ministerio da Agricultura. Serviço de Estatística da Produção (1958)	1916	Christensen, T. & K. Andersen (1958)	1475
Brisou, J., Menantaud & M. Doublet (1958)	2298	Chu, C.Y. (1958?)	2123
Brodskaya, N.G. & T.G. Martova (1957)	2152	Clark, E.S., Jr. (1958)	1792 1793
Brooks, J.L. (1957)	1630	Clark, J.R. (1958)	2284 2310
Brooks, R.L., N.H. Jasper & R.W. James (1958)	1787	Clark, J.R. & F.D. McCracken (1958)	2309
Brown, S.G. (1957)	1756	Clark, J.R., F.D. McCracken & W. Templeman (1958)	2308
Brown, W.H. (1959)	2003	Clark, W.C. (1958)	1413
Bruce, V.G. & C.S. Pittendrigh (1958)	1644	Clarke, G.L. (1958)	2100
Brujewicz, S.W. (1957)	2149	Clarke, R. (1957)	1758
Brunet, R. (1959)	1762	Clemens, W.A. (1958)	1527
Bruns, E. (1957)	2222	Clikman, L.S. (1958)	1702
Bruun, A.F. (1958)	1553	Clunies-Ross, C.W. (1958)	1973
Bruun, A.F. (1959)	1438 1439	Coate, M.M. (1957)	2050
Buchner, W. (1957)	2146	Coates, J.A. & J.E. Halver (1958)	2382
Budker, P. (1958)	2397 2398 2399 2400 2442	Collart, A. (1958)	2092
Burov, A.K. (1958)	2057	Collin, A.E. (1958)	2279
Busby, J. & E.G. Richardson (1957)	2136	CCTA/CSA (1957)	1963
Cadenat, J. (1958)	1428 1430	Congo Belge (1957)	2194
Cadenat, J. & M. Doutre (1958)	1429	Copley, H. (1958)	2083
Caldwell, J.M. (1957)	2256	Corroy, G. & al. (1958)	2300
California. Department of Fish & Game (1958)	1994	Couture, L.H. (1958)	2311
Camin, J.H. & P.R. Ehrlich (1958)	2034	Crnica, A. (1959)	1462
Campbell, N.J. & A.E. Collin (1958)	2279	Crosby, L.H. & E.J. Ferguson Wood (1958)	1411
Canada. Department of Fisheries (1958)	1618	Crowder, M. (1958)	2054
Canagaratnam, P. (1959)	2077	Crowell, S. (1957)	1456
Carter, N.M. (1958)	1534	Curry-Lindahl, K. (1957)	2017
Cartwright, D.E. (1958)	2118	Cushing, J.E. (1958)	1643
Case, K.M. & W.C. Parkinson (1957)	2231	Daget, J. (1958)	1426 2467
Čemekov, Iu.F. (1957)	2124	Damas, H. (1958)	2344
Ceylon. Department of Fisheries (1958)	2374	D'Ancona, U. (1958)	1657
		Dangeard, P. (1959)	1717
		Darbyshire, J. & H.M. Iyer (1958)	1709
		Darchen, R. & J. Lecomte (1959)	1722
		Das, S.M. (1957)	2037
		Daubert, A. (1957)	2227
		Davidsson, J. (1957)	2270
		Davis, F.M. (1958)	1414
		Dawson, E.Y. (1958)	1562



Deacon, G.E.R. (1958)	1927
Debongnie, E. (1958)	2375
Deboutteville, C. Delamare & L. Nunes-Ruivo (1958)	1423
De Buen, F. (1958)	1543
Decloitre, L. (1958)	2274
Delco, E.A., Jr. (1958)	2304
Dell, R.K. (1958)	1564
Delone, N.L. (1958)	1692
DeLong, D.C., J.E. Halver & E.T. Mertz (1958)	1503
Dementieva, T. (1958)	1646
Denton, E.J., T.I. Shaw & J.B. Gilpin-Brown (1958)	1823
De Sylva, E.R.A. (1958)	1635
Deufel, J. (1958)	1816
Devillers, C. (1958)	2356 to 2361 2387 to 2396
Devries, A. (1958)	2331
Dewar, E.T. (1958)	1822
Deysson, G. (1959)	1454
Dickie, L.M. (1958)	2280
Dietz, R.S. (1957)	2193
Dieuzeide, R. & J. Roland (1958)	2329 2332 2333
Dissanaiyake, A.S. & C.H. Fernando (1958)	1832
Dobie, J. (1958)	1991
Dobrovolskii, A.D. (1957)	1774
Doe, L.A.E. (1958)	1568
Dohr, G. (1957)	2236
Doig, A. (1957)	1977
Domantay, J.S. (1958)	1559
Dong-Hwan, P. (1959)	1440 1444
Doran, E. (1958)	2089
Doublet, M. (1958)	2298
Doutre, M. (1958)	1429
Drewry, G.E. (1958)	2321
Drewry, G.E., E.A. Delco, Jr. & C. Hubbs (1958)	2304
Duboul-Razavet, C. (1958)	2301
Dubrov, A.P. (1958)	2063
Duellman, W.E. & A. Schwartz (1958)	1625
Dunstan, D.J. (1957)	1755
Durall, G.L. (1958)	1643
Durand, J.H. (1958)	2334
Dutrieu, J. (1957)	1765
Dutrieu, J. (1959)	1721
Dzens-Litovsky, A.I. (1957)	2262
Eady, E.T. (1957)	2205
East, D.A. & L. Oschinsky (1958)	2106

Ebert, F. & J.M. Lyshede (1958)	1465
Eckstein, O. (1958)	2102
Eddiwan (1959)	2014
Efimov, V.N. (1958)	2063
Ege, V. (1958)	1634
Ehrlich, P.R. (1958)	2034
Elofsson, R. (1959)	2322
Elster, H.J. (1958)	2381
Emery, K.O. (1958)	1577
Epstein, B. (1958)	1449
Etcheverry-Daza, H. (1958)	1541
Euzet, L. (1958)	1422
Evans, J.H. (1959)	1809 1810
Evans, W.A. (1957)	1992
Fage, L. (1958)	2445 2446 2448
Fage, L. & M. Fontaine (1958)	2447
Fah-Hsuen, L. (1959)	1434
Faure, L. (1957)	2181 2182
Fauvel, P. (1958)	2299
Felsenbaum, A.I. (1957)	2134
Fernando, A. (1958)	1828
Fernando, C.H. (1958)	1829 1832
Fernando, C.H. & A. Fernando (1958)	1828
Fessard, A. (1958)	2403 to 2406
Ficken, F.A. & B.A. Fleishman (1957)	2133
Finn, D.B. (1957)	2009
Fisher, C.K. (1958)	1997
Fisher, E.L. (1958)	1928
Fjeldstad, J.E. (1958)	1929
Fjordingstad, E. (1958)	1477 1478
Fleishman, B.A. (1957)	2133
Flejsman, S.M. (1957)	2122
Fleming, R.H. (1958)	1944
Fontaine, M. (1958)	2343 2345 2347 2349 2427 2475
FAO (1957)	1962
FAO (1958)	2021
Forrester, C.R. (1958)	1601
Forward, C.N. (1957)	2243
France. Institut des Pêches (1957)	2183 2184
France. Institut Scientifique & Technique des Pêches Maritimes (1957)	2082
France. Merchant Navy, Sea Fisheries Division (1958)	1655
Friant, M. (1958)	1431
Fries, L. (1959)	2482
Fromm, P.O. (1959)	2316

Frommhold, E. (1958)	1818
Fujita, K. (1957)	2108
Fukase, S. (1957)	1666
Fukuoka, J. (1957)	1670
Fukuoka, J. (1958)	1586 1687
Furnestin, J. & al. (1958)	1612

Gaevskaia, N.S. (1958)	1513
Ganapati, S.V. & P.I. Chacko (1958)	2039
Ganowiak, H. (1958)	1983
Garner, J. (1957)	2005
Garrett, J.T. (1957)	2035
Garrison, G.R. (1958)	1936
Gart, J.J. (1958)	1975
Garth, J.S. (1958)	1759
Gauld, D.T. (1959)	1615
Gauthier-Lièvre, L. (1958)	2372
GFCM (1958)	1645 1648 1649
	1654 1656 1658 1659
	2163

GFCM (1959)	2164
George, R.W. (1958)	1509
Gérard, P. (1958)	2435 2436

Ghaffar, A.S.A. & M.A. Rehim (1958)	2202
Ghirs, A.A. (1957)	1773
Gibbney, L.F. (1957)	2484
Gillbricht, M. (1957)	2153
Gilpin-Brown, J.B. (1958)	1823
Girard, M.J. (1958)	1945
Glenn, A.N. (1957)	2043
Glover, C.R. (1959)	1775
Godfrey, K. (1957)	1750
Goedecke, E. (1958)	2161 2249
Gole, C.V. (1957)	2252
Gomes, N. (1957)	2254
Gorsline, D.S. (1957)	2268
Gosline, W.A. (1958)	1551
Goss, J.R. & M.W. Stagg (1957)	1460

Graf, F. (1958)	1778
Graham, H.W. (1958)	1575
Grassé, P.-P. (1958)	2341 2368
	2384 2385 2386 2401
	2476

Green, K.E. (1958)	1940
Greenwood, M.R. (1958)	1882
Grell, K.G. (1958)	2127
Grey, M. (1958)	1636
Grinbert, V.M. (1959)	1485
Groen, P. (1957)	1941
Groen, P. (1958)	1930
Grohs, H. (1957)	2191
Grosch, D.S. & M.E. Plumb (1959)	1632

Grubišić, F. (1959)	1463
Guibé, J. (1958)	2450 2468 2469
Guillerm, J. & A. Vialard-Goudou (1958)	1535
Gulf States Marine Fisheries Commission (1958?)	1727

Habe, T., T. Kuroda & D. Miyadi (1958)	1563
Hairston, N.G. (1958)	2033
Hales, A.L. (1958)	1711
Hallgren, A. (1958)	1608
Halsbury, (1959)	1406
Halstead, B.W. (1958)	1549
Halver, J.E. (1958)	1503 2382
Hamaker, H.C. (1958)	1972
Hancock, D.A. (1959)	1807
Hammerz, L. (1958)	1603 1607
Hansen, W. (1957)	2223 2250
Hanzawa, M. & T. Tsuchida (1958)	1592

Harbeck, G.E., Jr. & al. (1958)	2103
Hardenberg, J.D.F. (1958)	1560

Harding, J.P. (1959)	1631
Hart, J.L. (1958)	1548
Haslett, A.W. (1959)	1723
Haslewod, G.A.D. (1957)	2010
Hatanaka, M., M. Takahashi & G. Murakawa (1958)	1735
Hattersley-Smith, G. (1957)	2238
Hattop, H.-W. (1958)	2169
Hegemann, M. (1958)	1624
Hemelrijk, P.J. (1957)	2218
Hewson, L.C. (1959)	2076 2078

Heyna, B. & P. Groen (1958)	1930
Hidaka, K. (1958)	1566 1567
Hidaka, K. & H. Iida (1957)	1679
Hidaka, K. & Y. Nagata (1958)	1710

Hiyama, Y. (1958)	1531
Hobbs, H.H., Jr. (1958)	2303
Hodges, J.L., Jr. (1958)	1971
Hollenberg, G.J. (1958)	1505
Holliday, F.G.T. (1958)	1415
Hollister, H.J. (1958)	1579 1602
Holt, S.J. (1958)	2306 2307
Holtedahl, H. (1958)	1931
Honda, K. (1958)	1733

Hong Kong. Registrar of Co-operative Societies & Director of Marketing (1958)	1771
Hooper, F.F. (1959)	2201
Hoover, R.A. (1957)	2216



Hoshina, T., I. Kunimine & T. Takahashi (1957)	2000
Houot, G. (1957)	2130
Hubbs, C. (1958)	2304
Hubbs, C. & G.E. Drewry (1958)	2321
Huddle, H.L. (1958)	1993
Hughes, P. (1958)	1712
Hunter, I.J. (1958)	1824
Huntsman, A.G. (1958)	2281
Hurley, D.E. & D.G. McKnight (1959)	2480
Ignatius, H. (1958)	1932
Iida, H. (1957)	1679
ICNAF (1958)	2305
IHB (1959)	2179
INPFC (1958) 1964 to 1969	1969
International Oceanographic Foundation (1958)	1763 1764
International Oceanographic Foundation (1959)	1724
Ippen, A.I. & G. Kulin (1957)	2226
Iselin, C.O'D. (1957)	2052
Ishibashi, M., T. Shigematsu & Y. Nakagawa (1958)	1589
Israel. Ministry of Agriculture. Division of Fisheries, The Secretariat (1958)	1766
Ivanov, A.V. (1958)	1520
Iyer, H.M. (1958)	1705 1709
Iyigüngör, D. (1958)	1652 1653
Jackson, P.B.N. (1959)	1617
Jacoby, G. (1958)	2162
James, R.W. (1958)	1787
Janssen, Th. & W. Hansen (1957)	2250
Japan. Ministry of Agriculture & Forestry. Statistics & Survey Division (1958)	1732
Jasper, N.H. (1958)	1787
Jermolajev, E.G. (1958)	2282
Jhingran, V.G. (1957)	2176
Joglekar, D.V., C.V. Gole & S.N. Mulekar (1957)	2252
Johnson, M.W. (1957)	1988
Johnson, M.W. (1958)	1555
Jonsgård, Å. (1958)	1493
Jönsson, S. (1959)	1453
Kabanov, K.A. (1959)	2065
Kahn, R.A. (1957?)	2113
Kalachev, A.I. (1958)	2058
Kalk, M. (1958)	1820

Kameda, K. (1958)	1585
Kamiya, T. (1958)	1494
Kampa, E.M. (1958)	2272
Kana <del>z</del> awa, R.H. (1958)	1640
Kaushik, D.K. (1958)	2042
Kavakami, K. (1957)	1681
Kavakami, T. (1958)	1791
Kawamoto, N.Y. (1958)	1538
Kawamoto, T. (1958)	1584
Kawarada, Y. (1957)	1684
Kempthorne, O. (1957)	2160
Kent, A.K. (1959)	2479
Kenyon, K.W. (1959)	2070
Kesteven, G.L. (1958)	1547
Khan, M.R. (1958)	1533
Khlebovich, V.V. (1958)	1452
Kiener, A. (1957)	2085
Kiener, A. (1958)	2087
Kiener, A. & Y. Therezien (1958)	2328
Kimsey, J.B. (1958)	2380
Kinloch, J. (1958)	1619
Kirpichnikov, V.S. (1958)	1694
Kitamura, H. (1958)	1933
Kitou, M. (1957)	1678
Kitou, M. & O. Asaoka (1957)	1667
Kleerekoper, H. & P.A. Roggenkamp (1959)	2312
Kleinenberg, S.E. (1958)	1699
Klimov, L.V. & D.S. Solovlev (1958)	1450
Kluźniak, S. (1957)	2239
Kmiotek, S. (1958)	2383
Knox, G.A. (1957)	2117
Knox, G.A. (1958)	1557
Kocylowski, B. (1958)	1622
König, D. (1957)	2258
Kohler, A.C. (1958)	2283
Kohler, A.C. & J.R. Clark (1958)	2284
Koike, J. (1958)	1741
Koizumi, M. (1958)	1586
Kolp, O. (1957)	2266
Kong, S.M. (1959)	1436
Kononkova, G.E. & N.V. Kontobojceva (1957)	2230
Konosu, S. (1957)	2002
Konosu, S. & al. (1958)	1745
Konstantinov, K.G. & V.D. Shchegolev (1958)	1523
Kontobojceva, N.V. (1957)	2230
Korotkevich, V.S. (1958)	1691
Korsgaard, K. (1958)	1464
Korsgaard, K. & A. Skadhauge (1958)	1466



Kort, V.G. (1957)	2210	Lynch, J.E. (1958)	2114
Kow, T.A. (1959)	1445	Lyshede, J.M. (1958)	1465
Kramer, M. (1958)	1799		
Krauss, W. (1958)	2219	Macan, T.T. (1959)	1638
Kravchenko, J. & A. Daubert (1957)	2227	MacCamy, R.C. (1957)	2225
Kroon, A.H.J. (1958)	1550	Macklin, R. & R. Tharratt (1958)	2379
Krutilla, J.V. (1958)	2115	Macnae, W. & M. Kalk (1958)	1820
Krykhtin, M.L. (1958)	1517	Maeda, H. (1958)	1539
Kuehn, J.H. & R.E. Schumacher (1957)	1990	Mahadeva, N. (1958)	1831
Kuenen, P.H. (1957)	2125 2126 2260	Maine. Department of Economic Development (1958)	2028
Kulin, G. (1957)	2226	Malevitskaia, M.A. (1958)	1703
Kunimine, I. (1957)	2000	Mańkowski, W. (1957)	2203
Kurasawa, H. (1957)	2109	Margalef, R. (1958)	1417
Kuroda, T. (1958)	1563	Maroc. Service Central des Statistiques (1958)	1731
		Maroc. Service Central des Statistiques (1959)	1716
LaFaunce, D.A. (1958)	1996	Marr, J.C. & J.E. Böhlke (1958)	1532
Lagom, T. (1958)	2025	Martin, C. (1959)	1437
Lambert, J.M. (1959)	1811	Martin, F. Salazar (1958)	1813
La Méhauté, B. (1957)	2228	Martin, P.S. (1958)	2030
Langille, W.M. (1959)	2071	Martova, T.G. (1957)	2152
Larraneta, G. (1958)	1647	Marty, Ul. (1959)	1959
Laseron, C.F. (1958)	1511	Mason, J. (1958)	1416
Latham, R. (1958)	1919	Mason, R.G. (1958)	1713
Laubier, L. (1958)	2277	Massachusetts. Division of Marine Fisheries (1957)	2029
Lauzier, L.M. & R.W. Trites (1958)	2285	Mathiesen, H. (1958)	1470 1476
Lavrov, V.V. (1958)	1690		1481
Laws, R.M. (1958)	1489	Matsui, Y. (1958)	1537
Lebedeva, G.D., & S.G. Sinevid (1958)	1693	Matthews, L.H. (1959)	1639
Lecolazet, R. (1957)	2220	Mawatari, S. (1958)	1556
Lecomte, J. (1959)	1722	McCarmon, G.W. & D.A. LaFaunce (1958)	1996
Le Danois, Y. (1958)	2365	McCracken, F.D. (1958)	2287 2308
Leffler, R. (1958)	1918		2309
Lehman, J.-P. (1958)	2462	McFadden, J. (1958)	2383
Leim, A.H. (1958)	2286	McKean, R.N. (1958)	2095
Leitilä, N. (1958)	1782	McKenzie, R.A. (1958)	2288
Lenhoff, H.M. & W.F. Loomis (1957)	1457	McKenzie, R.A. & D.E. Skud (1958)	2289
Lenier, R. (1958)	1946	McKnight, D.G. (1959)	2480
Lettau, H. (1957)	2206	McLeese, D.W. & D.G. Wilder (1958)	2291
Le-Van-Dang, (1958)	2062	Medcof, J.C. & L.W. Thurber (1958)	2292
Lincoln, J.H. (1958)	1578	Medico, E.J. (1958)	1883
Lindström, T. (1957)	1595	Meinhold, T.F. & P.C. Thomas (1958)	1917
Lisitsin, A.P. (1957)	1772	Menantaud (1958)	2298
Logan, R. (1958)	2055		
Loomis, W.F. (1957)	1457		
Lotze, W. (1957)	2142		
Lowe, R.H. (1959)	1614		
Ludwig, G. (1957)	2259		
Lüneburg, H. (1957)	2271		
Lyman, J. (1958)	1570		

Menon, A.G.K. (1958)	2180	Mullan, J.W. (1958)	2370
Menzel, H.U. (1958)	2157	Munz, F.W. (1957)	2011
Merriweather, A.S. (1958)	1706	Murakawa, C. (1958)	1735
Mertz, E.T. (1958)	1503	Murina, V.V. (1958)	1515
Meschkat, A.W. (1959)	1953	Muromcev, A.M. (1957)	2213 2214
Metz, C.B. (1957)	2053	Murphy, S.R., G.R. Garrison & D.S. Potter (1958)	1936
Mexico. Instituto Mexicano de Recursos (1957)	2196	Mužinić, R. (1959)	1461
Mexico. Secretaria de Marina. Dirección General de Pesca (1958)	1779	Nagata, Y. (1958)	1710
Mikhaliuk, I.A. (1958)	2064	Nagel, L. (1958)	2170
Mileikovskii, S.A. (1958)	1701	Nair, N. Balakrishnan (1959)	2369
Miller, A.R. (1957)	1934	Nakagawa, Y. (1958)	1589
Miller, R.C. (1958)	1528	Nakamura, H. & Y. Hiyama (1958)	1531
Miller, R.L. & J.M. Zeigler (1958)	1935	Nakamura, T. (1958)	1742
Millot, J. & J. Anthony (1958)	2470 to 2474	Nakano, M. (1957)	1669 2265
Milne, D.J. (1958)	1979	Nakano, M. (1958)	1688
Milne, D.J. & E.A.R. Ball (1958)	1599	Nakano, M., M. Koizumi & J. Fukuoka (1958)	1586
Miroshnitshenko, A.Z. (1958)	1516	Nanda, J.N. (1957)	2138
Miyadi, D. (1958)	1563	Nan'niti, T. (1957)	1938
Miyagawa, S. (1957)	2002	Nan'niti, T. (1958)	1591 1937
Miyagawa, S. & K. Ueno (1958)	1744	Nan'niti, T. & A. Okubo (1957)	1663
Miyake, Y., Y. Sugiura & K. Kameda (1958)	1585	Nan'niti, T. & M. Yasui (1957)	1664
Miyazaki, I. (1958)	1497	Nasu, K. (1958)	1486
Miyazaki, M. (1958)	1581 1686	Netherlands. Ministry of Agriculture Fisheries & Food (1958?)	1986
Miyazaki, M. & M. Nakano (1957)	1669	Neuwirth, R. (1957)	2145
Modder, E. (1957)	2040	Newell, B.S. (1957)	2217
Moffett, J.W. (1958)	1797	Nicholls, A.G. (1958)	1508
Molin, G. (1958)	1604	Nicholson, C. (1957)	2116
Moona, J.C. (1958)	2045	Nielsen, E. Steemann (1958)	1473
Moore, H.B. (1958)	2032	Nikanorov, Iu.I. (1959)	2066
Moore, J.W. (1959)	1642	Nishiwaki, M. (1958)	1486
Mordukhai- Boltovskaia, E.D. (1958)	1695	Nishiwaki, M. & T. Kamiya (1958)	1494
Morford, K. (1957)	2041	Nixon, G. (1958)	1995
Morgan-Davies, A.M. (1958)	2047	Noel, H.S. (1957)	2006
Mori, T., S. Konosu & S. Miyagawa (1957)	2002	Nomura, M. & al. (1957)	2001
Morikawa, G.K. (1957)	2132	Nonoda, T., (1958)	1736
Morita, Y. (1958)	1587	Novak, P.E. (1957)	2027
Morrison, R.D. (1957)	2195	Nozawa, Y. (1958)	1734
Morton, B.R. (1957)	2141	Nun, M. (1958)	1802
Morton, J.E. (1958)	1627	Nunes-Ruivo, L. (1958)	1423
Moussa, T.A. (1957)	1458	Nyasaland. Department of Game, Fish & Tsetse Control (1958)	1926
Moyle, J.B. (1958)	1796	Nygaard, G. (1958)	1472 1474
Müller, H. (1958)	2156	OEhmichen, E. (1958)	2366
Münnich, H. (1958)	1623	Ohwada, M. (1957)	1668
Mulekar, S.N. (1957)	2252	Ojha, V.N. (1957)	2013
		Okabayashi, S. (1958)	1737

Okada, Y. & S. Mawatari (1958)	1556	Potter, D.S. (1958)	1936
Okubo, A. (1957)	1663 1682	Poulsen, E.M. (1957)	2175
"The Old Man" (1958)	1949	Poulsen, E.M. (1958)	1540
Olsen, S. (1958)	1471	Poulsen, E.M. (1959)	1960
Omura, H., M. Nishiwaki & K. Nasu (1958)	1486	Powell, A.W.B. (1958)	1552
Oren, O.H. (1958)	1803	Powles, P.M. (1958)	2294
Ortiz, E. (1958)	1419	Prakash, A. & D.J. Milne (1958)	1979
Oschinsky, L. (1958)	2106	Priou, M.-L. (1959)	1719
Osorio-Tafall, B.F. (1958)	1542	Protsenko, A.E. (1958)	1698
Østby, H. (1957)	1752	Pugh, L.G.C.E. (1959)	1629
Østby, H. (1958)	1491		
Ostroumov, E.A. (1957)	2148	Radan, G. (1958)	1767
Otpushchennikov, N.F. (1958)	2059	Rajan, S.J. & D.K. Kaushik (1958)	2042
Otterstrøm, C.V. (1958)	1467	Rao, A.R. & B.N. Saxena (1958)	2036
Outram, D.N. (1958)	1598	Rashevsky, N. (1957)	2020
Ozmilov, P.V. (1957)	2139	Rasquin, P. (1958)	2111
		Rattray, M., Jr. (1958)	1578
Padoan, G. & R. Vezzani (1957)	2253	Rees, W.J. (1958)	1821
Paloheimo, J.E. (1958)	2293	Regir, S.A. (1957)	2135
Panikkar, N.K. (1958)	1546	Rehim, M.A. (1958)	2202
Paquette, R.G. (1958)	1569	Reichenbach-Klinke, H. (1958)	1817
Parker, R.R. & E.C. Black (1959)	2075	Reish, D.J. & K.E. Green (1958)	1940
Parkinson, W.C. (1957)	2231	Riabkov, N.V. (1959)	1484
Pasteels, J. (1958)	2348 2439 2440 2441	Rice, T.R. (1957)	2016
		Richardson, E.G. (1957)	2136
Pathak, S.P. & V.N. Ojha (1957)	2013	Richardson, W.D. & E.T. Dewar (1958)	1822
Penn, G.H. & H.H. Hobbs, Jr. (1958)	2303	Ricker, W.E. (1958)	1839
Penyapol, A. (1958)	1795	Riegel, J.A. (1959)	2069
Penyapol, A. (1959)	1441	Rippert, I. (1957)	2154
Petkovski, T.K. (1957)	2167	Riveros-Zúñiga, F. (1958)	1544
Petrova, N.A. (1958)	1700	Robin, G. de Q. (1958)	1714
Pettersson, H. (1958)	1572	Robins, C.R. (1958)	2015 2323
Pfau, A. (1957)	2144	Robitaille, B. (1957)	2241
Phelps, W.H. & W.H. Phelps, Jr. (1959)	1761	Rochford, D.J. (1958)	1582 1729
Phelps, W.H., Jr. (1959)	1761	Rochon-Duvigneaud, A. (1958)	2346
Phillips, J.B. (1959)	2068		2402
Pike, G.C. (1958)	1981	Røen, U. (1958)	1468
Pitkänen, H. (1958)	1780 2024	Rogge, B. (1958)	2171
Pitot, A. (1958)	1425	Roggenkamp, P.A. (1959)	2312
Pittendrigh, C.S. (1958)	1644	Rojó, A. (1957)	2128
Piveteau, J. (1958)	2342	Roland, J. (1958)	2329 2332 2333
Plomann, J. (1958)	2168	Romanovsky, V. (1959)	2373
Plumb, M.E. (1959)	1632	Roppel, A.Y. (1959)	2200
Poddubnyi, A.G. (1958)	1518	Rosenblatt, M. (1957)	2232
Poornachandra, C. Rao (1957)	2261	Ross, D.M. (1959)	1616
Poornachandra, C. Rao (1958)	1939	Rossiter, J.R. (1958)	2483
Portmann, A. (1958)	2276	Rougerie, P. (1957)	2221
Posener, D.W. (1957)	2147	Ruanda-Urundi (1957)	2194
		Rukhliadev, Iu.P. (1958)	1521
		Ryhänen, R. (1958)	2023



Saetersdal, G. (1957)	2190	Slud, B.E. (1958)	2289
Saiki, M. & al. (1957)	2012	Slomianko, P. (1957)	2255
Saito, I. (1958)	1921	Smirnov, A.I. (1958)	1451
Salines, S. (1958)	1421	Smith, D.G. (1959)	2071
Salzen, E.A. (1958)	1427	Smith, F.G.W. (1958)	1970
Sarkisian, A.S. (1957)	2211 2212	Smith, M.W. & J.W. Saunders (1958)	2295
Sathyanesan, A.G. (1958)	2046	Snopkov, V.G. (1959)	1485
Saunders, J.W. (1958)	2295	Soeriaatmadja, E. (1959)	1433
Saxena, B.N. (1958)	2036	Solovlev, D.S. (1958)	1450
Scaife, J.F. (1959)	2478	Somme, S. (1959)	1502
Schaefer, M.B. (1958)	1530	Sons, E. (1957)	2143
Schärfe, J. (1958)	1651	Sorokin, Iu.I., V.G. Snopkov & V.M. Grinbert (1959)	1485
Schaufelberger, P. (1958)	2056	SPC (1957)	2158 2159 2188
Schellenberger, G. (1957)	2237	Stagg, M.W. (1957)	1460
Schiffman, R.H. & P.O. Fromm (1959)	2316	Steele, J.H. (1958)	1837
Schlieper, C. (1958)	1420	Stenstrand, W. (1958)	1781
Schmidt, H. (1957)	2269	Stevenson, A.B. & al. (1959)	2313
Schmidt-Lamberg, H. (1957)	2248	Stevenson, R.E. (1957)	2267
Schmitz, H.P. (1957)	2131	Stewart, H.B., Jr., B.D. Zetler & C.B. Taylor (1958)	1641
Schultz, L.P. (1958)	1558	Stjerna-Pooth, I. (1958)	1606
Schumacher, R.E. (1957)	1990	Stride, A.H. & D.E. Cartwright (1958)	2118
Schuster, K. (1957)	2234	Stubbs, A.R. (1958)	1794
Schwartz, A. (1958)	1625	Suarez Caabro, J.A. (1958)	1912
Schweigge, E. (1957)	2208	Suda, K. (1958)	1571 1593
Schweigge, E. (1958)	1588	Sugiura, Y. (1958)	1585
Scott, W.B. (1958)	2112	Sunico, M. (1959)	1961
Scottish Marine Biological Association (1958)	1633	Sunnanå, K. (1959)	1958
Scripps Institution of Oceanography, Univ. of California (1959)	2079	Suyama, M. (1958)	1739 1740
Seagran, H.L. (1958)	1838	Suyama, M., J. Koike & K. Suzuki (1958)	1741
Selickaja, E.S. (1957)	2233	Suyama, M. & T. Tokuhiko (1958)	1738
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Shimozaki, Y. & Y. Nozawa (1958)	1734	Takahashi, M. (1958)	1735
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Simon, W.G. (1957)	2264	Talbot, G.B. (1959)	1405
Sinevid, S.G. (1958)	1693		
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Skriptunova, L.I. (1957)	2215		

Tanii, K. (1958)	1536	Uherkovich, G. (1958)	1783
Tauc, L. (1959)	1455	Union of South Africa. Department of Commerce & Industries.	
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Tchernigovtzeff, C. (1959)	1407	U.K. Ministry of Agriculture	
Teal, J.M. (1959)	1500	Fisheries & Food (1958)	1984
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Tharratt, R. (1958)	2379	U.K. Ministry of Agriculture	
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Therezien, Y. (1958)	2328	U.K. National Oceanographic Council (1957)	1826 1827
Thieme, P. (1958)	2081	UNESCO Natural Sciences	
Thomas, H.J. (1958)	1410	Department (1959)	1446
Thomas, P.C. (1958)	1917	U.S. Bureau of Commercial Fisheries, Alaska Region (1958)	1626
Thomas, R. (1958)	2371	U.S. Coast & Geodetic Survey (1958)	1583
Thompson, H. (1958)	1526	U.S. Congress. House Committee on Government Operations (1957)	2104
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Thomson, J.A. (1958)	1597	U.S. Congress. House. Committee on Merchant Marine & Fisheries (1958)	2099
Threinen, C.W. (1957)	2340	U.S. Congress. Senate. Committee on Interior & Insular Affairs (1958)	2105
Thurber, L.W. (1958)	2292	U.S. National Wildlife Federation (1957)	2061
Tibbo, S.N. & al. (1958)	2296	U.S. Office of Naval Research (1958)	2031
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Tortonese, E. (1958)	2324	van Pel, H. (1958)	1924
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Travassiss, H. & S. Ypiranga Pinto (1957)	2097	van Riel, P.M., P. Groen & M.P.H. Weenink (1957)	1941
Travassos, H. & S. Ypiranga Pinto (1958)	2096	van Straaten, L.M.J.U. & Ph.H. Kuenen (1957)	2260
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Weeks, W.F. & D.L. Anderson (1958)	1942
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Young, E.G., D.G. Smith & W.M. Langille (1959)	2071
Ypiranga Pinto, S. (1957)	2097
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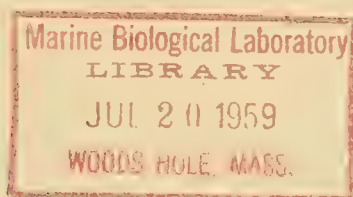
Yugoslav National FAO Committee (1957)	2048
Zaitseva, E.D. (1957)	2150
Zambriborshch, F.S. (1958)	1522
Zariquiey Alvarez, R. (1958)	1418
Zavarzina, N.B. & A.E. Protsenko (1958)	1698
Zeigler, J.M. (1958)	1935
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	2022 2140 2192 2245
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	1730 1760 1788 1789
	1790 1815 1833 1840
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	1952 1954 1956 1957
	1978 1982 1987 2004
	2019 2080 2091 2187
	2197 2198
Anonymous (1959)	1409 1498 1499
	1806 1808 1835 2178





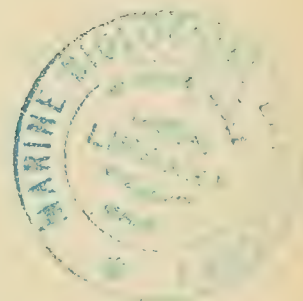
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
Viale delle Terme di Caracalla, Rome, Italy

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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

prepared by  
Biology Branch, Fisheries Division



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Curr. Bibliogr. aquat. Sci. Fish., 2(4)

Rome, April 1959

Containing: taxonomic index 2(3), geographic index 2(3), references and  
author index to, 59-2485 - 59-3360

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# Errata

59-1453	formes	should read	former
59-1606	Branchiobdella	" "	<u>Branchiobdella</u>
59-1723	<u>Tarsiops</u> , <u>Physeter</u>	" "	<u>Tursiops</u> , <u>Physeter</u>
59-1730	<u>Nutria</u>	" "	<u>nutria</u>
59-1736	net from	" "	net form
59-1820	Mocambique	" "	Mozambique
59-1828	Siluroidea	" "	Siluridae
59-2002	<u>Mierostomus</u>	" "	<u>Microstomus</u>
59-2019	<u>Leptocardia</u>	" "	<u>Leptocardia</u>
"	<u>ciclostomata selachii</u>	" "	<u>Cyclostomata Selachii</u>
59-2060	<u>Ephemeroptera</u>	" "	<u>Ephemeroptera</u>
59-2089	psysiology	" "	physiology
59-2110	eighty-fifty	" "	eighty-fifth
59-2273	to the family	" "	to the genus
59-2283	<u>Melogrammus</u>	" "	<u>Melanogrammus</u>
59-2302	celenterates	" "	<u>Coelenterates</u>
59-2308	<u>Gyptocephalus</u>	" "	<u>Glyptocephalus</u>
59-2339	<u>Stiostedion</u>	" "	<u>Stizostedion</u>
59-2471	<u>Latineria chalumnae</u>	" "	<u>Latineria chalumnae</u>
59-2472	chalumnae	" "	<u>chalumnae</u>

## Annual Taxonomic Index:

Centrarchidae 2130 " " CENTRARCHIDAE 2130

Please substitute in translations of titles 59-2343 to 59-2368, 59-2463 and 59-2470 to 59-2475, 'sub-phyllum' for 'sub-family' and 'living forms' for 'actual forms'!

Please correct annotation 59-1500 as follows:

Experimental measurement of respiration in Uca pugilator, U. pugnax, U. minax, Sesarma reticulatum, S. cinereum & Panopeus herbsti, with consideration of respiratory response to temperature. oxygen supply & other factors.



Addenda

Stinson, N.E. (1958) 585806  
Proc.R.Irish Acad., 59B(8):129-54  
The food and growth of brown trout  
(Salmo trutta L.) in three rivers in  
Co. Tyrone

Food, as indicated by stomach contents,  
is mainly insects; but fish are also  
found to be important at all ages.  
Paucity of fish over 3 years old  
may be due to overfishing of these  
rivers.

CNR:gb

F

Went, A.E.J. (1958) 585807  
Proc.R.Irish Acad., 59B(10):205-12  
Salmon movements around Ireland - VIII.  
From drift nets along the coast of  
County Donegal (1953-1957)

Experiments confirm the opinions of  
fishermen that the main runs of fish  
along the north coast of Donegal were  
1st west & then south along the Irish  
coasts. Of the tagged fish recaptured  
almost half were retaken within 10 days  
& almost another third within 20 days.

CNR:gb

IF

Grainger, J.N.R. (1957) 580806  
Proc.R.Irish Acad., 58B:305-19  
Preliminary observations on the  
diurnal migration of the crustacea in  
the plankton of Gouganebarra lake

There is no marked diurnal movement  
of the plankton population as a whole.  
It may well be that the shallow depth  
of Gouganebarra is responsible, in  
part at least, for the curious results.

CNR:gb

F

Gorham, E. (1957) 583871  
Proc.R.Irish Acad., 58B:237-43  
The chemical composition of some  
western Irish fresh waters

Analyses for pH, Na, K, Ca, Mg, HCO<sub>3</sub>,  
Cl, & SO<sub>4</sub>, 1 from blanket bog pools,  
4 from loughs draining mainly the  
metamorphic schists & gneiss of  
Connemara, & 2 from loughs draining  
Old Red Sandstone in Kerry.

CNR:gb

F

Dunbar, M.J. (1957) 584307  
Canad.J.Res.(Zool.), 35:797-819  
The determinants of production in  
northern seas: a study of the biology  
of Themisto libellula Mandt.

Review & discussion of the degree of  
adaptation of organisms to low  
temperature with regard to activity,  
metabolism, growth rate, & onset of  
maturity, ill. by a study of the growth  
rate, breeding cycle, & 1 longevity of  
this dominant arctic pelagic amphipod.  
(issued as: Stud.Stas.Fish.Res.Bd Can.,  
(502), 1957).

FAO:glk

M



Keleher, J.J. &

B. Kooyman (1957)

581906

Winnipeg, Dep. Mines & nat. Resources,  
Manitoba, 117 p.

Supplement to Hinks' "The Fishes of  
Manitoba"

Notes on nomenclature & distribution to  
be used in connection with the original  
text. (issued as: Stud.Stas.Fish.Res.  
Bd Can., (481), 1957).

FAO glk

F

Van Cleve, R. (1957)

59-1922

Washington, D.C., 46 p.

Survey of the TCM fisheries program  
in India

Contents are: Objective of survey; TCM  
fisheries program; FAO fisheries  
program in India; Norwegian project,  
Quilon; Colombo plan; Summary of  
observations; General results of  
survey; Recommendations; Appendices:  
I. Outline of fisheries tour; II.  
Summary of TCM aid furnished to India  
during the period 1952-56; III.  
Exploratory fishing program; IV. Re-

Klemperer, H.G. (1957)

580932

Biochem.J., 67:381-90

The accumulation of iodide by *Fucus*  
*ceranoides*

Experimental work to measure the  
uptake of radioactive iodide by this  
marine algae from sea water & its  
dependence on both a carrier mechanism  
& the binding of the ion within the  
tissue.

FAO glk

F

59-1922

(Card 2)

organization of central fisheries  
department. Comments on fisheries  
research program; Federal-state  
relationship; Estimated cost of the  
projected program.

FiB.sjh

MF

Lisitzin, E. (1957)

583919

Comment.phys.-math., Helsingf., 20(6)  
19 p.

The annual variation of the slope of the  
water surface in the gulf of Botnia

Computation of monthly changes of sea  
levels caused by changing density,  
atmospheric pressure & winds.  
Comparison of observed with computed  
values.

FiB-tl

MF

Deacon, G.E.R. (1958)

59-1927

Impact Sci.Soc., Paris, 9:79-92

The use of oceanography

Brief notes on the importance & use  
of oceanography for obtaining food,  
raw material & power from the sea;  
coastal & harbor engineering; effect  
of oceans on climate; waste disposal  
& research in marine sciences. Incl.  
brief account of the activities of  
UNESCO & ICSU. (issued as: Coll.Repr.  
Wormley nat.Inst.Oceanogr., 6(222)).

GLK.efa

M

Stride, A.H.B. & 52-2118  
D.E. Cartwright (1958)  
Dock Harb.Author., 38:323-4  
Sand transport at southern end of the  
North Sea

Account of observations on the pattern  
of sand drift & the rate of advance  
of the sand waves. (issued as: Coll.  
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GLK:efa

M

Bal, D.V. & 581291  
K.H. Mohmed (1957)  
J.Bombay nat.Hist.Soc., 54:732-40  
A systematic account of the eels of  
Bombay

Key to, & ill. biological notes on  
spp. of Uroconger, Muraenichthys,  
Muraenesox, Muraena, Pisoodonophis,  
Thyrsoidea & Ophichthys.

FiB:sjh

M





## Forward References

Check list, 59-2485 - 59-3360

59-2533	to	59-2530
59-2543	"	59-2542
59-3169	"	59-1401
59-3193	"	59-3192
59-3160	"	59-3167
59-3170	"	59-3169
59-3167	"	59-1401
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59-3026	"	59-3025



1,00	FISHES, GEN.	1412	1551	1555
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	Oncorhynchus nerka	1451	1979
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			2003
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			2379
			1990





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	<i>Thunnus thynnus</i>	1422	1530	1649		<i>Calanus</i>			1615
		1873				DIAPTOMIDAE			1419
1,83	<i>Glyptocephalus</i>		2303			<i>Eucalanus</i>			1666
	<i>Hippoglossoides</i>		2303			<i>Euchaeta</i>			1615
	<i>Hippoglossus hippoglossus</i>		2287			<i>Mytilicola</i>			1807
	<i>Hippoglossus stenolepis</i>		1964			<i>Nicothoe</i>			1416
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	<i>Hippoglossus</i> sp.		1953			<i>Temora</i>			1615
	<i>Microstomus</i>		2002			<i>Tigriopus</i>			1776
	<i>Paralichthys</i>		1337			<i>Tisbe</i>			2166
	<i>Parophrys</i>		1597		2,12	CIRRIPIEDIA			1808
1,86	MASTACEMBELIDAE		1323		2,13	<i>Balanus</i>		1615	2315
1,95	<i>Antennarius</i>		2111		2,20	<i>Mysis</i>			1479
	<i>Histrio</i>		2111		2,23	<i>Idotea</i>			1513
1,99	FISHES, MISC.	1421	1481	1501		<i>Limnoria</i>			2369
		1533	1535	1538					
		1542	1543	1545	2,24	<i>Chelura</i>			2369
		1549	1550	1553		<i>Orchestia</i>			1778
		1553	1560	1574		<i>Pallasea</i>			1479
		1601	1612	1618		<i>Pontoporeia</i>			1479
		1636	1656	1658					
		1661	1696	1697	2,26	<i>Meganyctiphanes</i>			1615
		1725	1728	1731		<i>Thysanoessa</i>			1915
		1771	1779	1793					
		1802	1806	1815	2,28	<i>Leander</i>			1407
		1842	1848	1849		NATANTIA	1626	1851	1856
		1857	1877	1885			1911	1912	1870
		1894	1895	1913		<i>Penaeus</i>			2016
		1923	1926	1945					
		1951	1953	1959	2,29	ASTACIDAE			2303
		1983	1986	1987		<i>Astacus</i>	1609	1610	2024
		2011	2017	2019		<i>Callinectes</i>			2016
		2037	2040	2041		<i>Calocarides</i>			2322
		2043	2054	2062		<i>Cancer</i>			1410
		2030	2033	2091		<i>Carcinus</i>		1420	1307
		2100	2101	2112		<i>Homarus</i>	1410	1416	1879
		2155	2163	2177			2291		2029
		2194	2324	2323		<i>Munida</i>			1413
		2331	2450	2329		<i>Orconectes</i>			2069
2,00	CRUSTACEANS, GEN.	1412	1542	1555		<i>Pacifastacus</i>			2069
		1563	1586	1607		<i>Panopeus</i>			1500
		1697	1776	2109		<i>Panulirus</i>			1509
		2232	2336	2374		<i>Paralithodes</i>	1338	1964	to
2,02	<i>Artemia</i>	1615	1632	1721					
		1776	2016			<i>Parathelphusa</i>			1832
	<i>Branchinecta</i>			2114		<i>Procambarus</i>			2069
2,05	<i>Daphnia</i>		1630	1693		REPTANTIA	1725	1759	2055
	<i>Leptodora</i>			1695		<i>Sesarma</i>			1500
						<i>Uca</i>			1500

2,99	CRUSTACEANS, MISC.	1421	1533		3,21	Galiteuthis		1829	
	1539 1542 1544 1548					Helicocranchia		1823	
	1550 1553 1618 1659					Loligo		1642	
	1716 1728 1731 1732					Octopus		2002	
	1771 1779 1798 1799					Ommastrephes		2002	
	1801 1871 1877 1970					Verrilliteuthis		1823	
	1983 1987 2040 2049								
	2101 2155 2168 2194				3,99	MOLLUSCS, MISC.	1421 1533 1542		
	2302 2329 2373					1544 1548 1550 1553			
						1564 1618 1716 1728			
3,00	MOLLUSCS, GEN.	1412 1542 1555				1731 1732 1771 1779			
	1563 1586 1607 1627					1784 1798 1799 1801			
	1691 1697 1776 1835					1835 1871 1877 1970			
	2053 2109 2173 2282					1983 1987 2040 2049			
	2335 2374					2101 2155 2168 2194			
						2302 2329 2373			
3,07	Melagraphia		1413		4,00	MAMMALS, GEN.	1503 1829 2342		
	Trochus	2093	2153						
	Zediloma		1413		4,05	Mustela		1601	
3,09	Odostomia		1307		4,06	Callorhinus		2200	
	Urosalpinx		1807			Eumetopias		1981	
3,10	Bembicium		1510			Leptonychotes		1629	
	Crepidula		1807			Mirounga		2484	
	Lunatia		2292			ODOBAENIDAE		1758	
	Strombus		2039			OTARIIDAE		1753	
	TRIPHORIDAE		1511			PHOCIDAE		1758	
	Viviparus		1516		4,16	Castor		2313	
3,11	Aplysia		1455			Ondatra	1722	2025	
	Bosellia		2276		4,21	CETACEA	1486 1487 1488 1491		
	Clione		1807			1492 1495 1497 1498			
3,13	Limnaea	1720	1955			1499 1542 1699 1725			
3,15	PELECYPODA		1661			1746 1750 1752 1754			
						1756 1791			
3,16	Crassostrea	1980	2016		4,22	DELPHINIDAE		1655	
	Hyrloopsis		1537			Delphinus		1948	
	Mytilus	1420	2292			Feresa		1430	
	Ostrea	1861 1862	1911			Mesoplodon		1494	
	Pecten		2016			ODONTOCETI		1758	
	PECTINIDAE		1353			Phocaena		1431	
	Pinctada	1507 1537 1830	1868			Physeter	1496 1723	1757	
	1999 2047					Prodelphinus		1430	
	Placopecten		2280			Tursiops		1723	
	Unio		2171			Ziphius		1792	
3,17	MACTRIDAE		1852		4,23	Balaenoptera musculus	1431	1747	
	Meretrix		2002			Balaenoptera physalus	1439	1493	
	Mya		2292			1793			
	Saxidomus		2318			Megaptera	1431 1746 1749	1755	
	Teredo		2369			MYSTACOCETI	1746 1747	1758	
	Venus	1776	2016		5,00	AMPHIBIANS, GEN.		1829	2342
	Xylophaga		2369						



5,02	<i>Ichthyophis</i>	1616	6,41	<i>Urnatella</i>	1522
5,10	<i>Scaphiopus</i>	2165	6,46	ANNELIDA	1421 2053
5,12	<i>Rana</i>	1818	6,48	POLYCHAETA	1557
5,29	AMPHIBIANS, MISC.	1625 2030	6,49	<i>Lumbriconereis</i>	2277
5,30	REPTILES, GEN.	1329 2342	6,50	AMPHARETIDAE	2299
5,31	CHELONIA	1911 2159		<i>Cirratulus</i>	1452
	<i>Eretmochelys</i>	1795		<i>Hydroides</i>	1565
				<i>Polydora</i>	1807
5,35	<i>Natrix</i>	2034	6,51	<i>Branchiobdella</i>	1606 1610
5,49	REPTILES, MISC.	1625 2030	6,52	<i>Dendrostomum</i>	1643
5,50	BIRDS, GEN.	1503 2342		<i>Golfingia</i>	1515
	AVES	1829	6,56	XIPHOSURA	1626
5,61	<i>Macronectes</i>	1639	6,57	ARACHNIDA	1421
5,62	<i>Phalacrocorax</i>	2207	6,66	INSECTA	1421 2335
5,87	BIRDS, AQUATIC	1561 1761 2323	6,76	EPHEMEROPTERA	2060
5,89	BIRDS, MISC.	1761	6,87	<i>Atrichopogon</i>	2336
5,93	POGONOPHORA	1520		<i>Culicoides</i>	2336
5,94	TUNICATA	1544 2302	6,89	ECHINODERMATA	1544 2053
5,96	<i>Ciona</i>	1616	6,91	<i>Asterias</i>	1420 1807
	<i>Pyrosoma</i>	2480		ASTEROIDEA	1862
6,03	<i>Euglypha</i>	2371	6,93	ECHINOIDEA	2331
	RHIZOPODA	2127 2274		<i>Psammechinus</i>	1807
6,11	<i>Paramaecium</i>	2033	6,94	HOLOTHURIOIDEA	1559
	<i>Platyophrya</i>	1785		<i>Pseudothyone</i>	2275
6,15	SPONGIIDAE	1463 1873	6,97	INVERTEBRATES, AQUATIC	1412
6,16	COELENTERATA	2302		1539 1542 1555	1563
6,17	<i>Campanularia</i>	1456		1586 1691 1697	1776
	<i>Hydra</i>	1457		2048 2109 2173	2282
6,26	<i>Capsala</i>	1422		2335 2373 2374	
6,27	<i>Paragonimus</i>	2043	6,99	INVERTEBRATES, MISC.	1701
6,30	<i>Bothriocephalus</i>	1703	7,00	ALGAE, GEN.	1412 1473 1474
6,37	<i>Sinantharina</i>	1514		1485 1541 1555	1586
6,39	BRYOZOA	1556		1667 1691 1700	1776
				1783 1822 1837	2109
				2155 2335 2373	2374
			7,03	<i>Spaerella</i>	1809
			7,06	<i>Chlorella</i>	1698

9,50	<i>Lemna</i>	1454
	<i>Pistia</i>	1963
9,51	<i>Typha</i>	1476
9,67	<i>Alternanthera</i>	1963
9,75	<i>Rhizophora</i>	1425
9,97	HIGHER PLANTS, AQUATIC	1475
	1822 2335 2374	2376

100	AFRICA			2371	2372	223	Pribilof Is.		1915	2200		
						230	<u>USA</u>	1570	1630	1709	1713	
111	Tunisia	1652	1653	2163	2164			1759	1949	1964	to	
112	Algeria	2163	2164	2329	2331			1969	1981	2022	2031	
		to	2334	2336				2061	2098	2099	2104	
113	Morocco	1612	1716	1731	1875			2105	2110			
122	UAR, Souther Region (Egypt)		1819	2202	2381	231	Washington State		1856	2007	2068	2114
123	Sudan				2198	231	Oregon	1124	1856	to	1860	
124	Eritrea				2180			1865	1899	2003		
128	Somalia				2217	232	USA, S.W.				2068	
130	<u>Africa, E. Central</u>				1963	232	California		1577	1641	1716	
131	Kenya	2083			2217			1842	to	1846	1865	
132	Uganda				2083			1885	to	1890	1992	
133	Tanganyika	2083			2217			to	1997	2066	to	
134	Zanzibar and Pemba				2083			2070	2079	2268	2377	
140	<u>Africa, W. Central</u>				1963			to	2380			
141	Fr. W. Africa	1424	1426	to		232	Nevada				2103	
		1430	1951			232	Arizona				2103	
142	Port. Guinea				2299	234	Minnesota		1796	1988	1990	
143	Liberia				2299			1991				
144	Gambia	2054			2299	234	Wisconsin			2339	2383	
144	Sierra Leone				2299	235	Texas		1727	2303	2304	
144	Ghana				2299	235	Louisiana			1727	1918	
144	Br. Togoland				2299	235	Mississippi				1727	
144	Fr. Togoland				2299	235	Alabama				1727	
145	Nigeria				2299	236	USA, New England				1907	
145	Br. Cameroons				2299	236	Maine			2028	2199	
147	Belg. Congo	1987	2194	2375		236	Massachusetts	1661	1792	1793		
147	Ruanda-Urundi			1987				1841	1852	1943	2029	
154	Union of S. Africa	1711	1725					2052	2370			
		2055				237	New York		1861	1862	1913	
155	Mozambique		1820	2254		237	Maryland				1909	
156	Madagascar		2087	2328		238	N. Carolina				1757	
157	Federation of Rhodesia and					238	S. Carolina				1866	
	Nyasaland		1617	1926		238	Georgia				1500	
						238	Florida			1625	1727	
200	NORTH AMERICA					250	<u>Greenland</u>				1914	
210	<u>Canada</u>	1534	1548	1579	1618	300	LATIN AMERICA					
		1630	1964	to	1969							
		1978	1981	2071	2074	311	Mexico	1779	2030	2196	2267	
		2112				314	Costa Rica		1611	1760	2056	
211	Canadian Arctic				2279	315	Panama				1877	
212	British Columbia	1597	to			321	Br. W. Indies	2090	2204	2337		
		1601	1619	1910	1979	322	Cuba		1911	1912		
		2318				323	Haiti			2089		
215	Quebec				2241	331	Colombia			2056		
216	Newfoundland		1914	2278		332	Venezuela		1761	1813		
216	Labrador		1048	1931		333	Br. Guiana			2084		
217	New Brunswick		2288	2292		334	Surinam			1986		
217	Nova Scotia	2281	2283	2293		342	Peru			1588	2091	
220	<u>USA (Alaska)</u>	1626	1630	1641		343	Chile	1540	to	1545	1728	
		1882	1931	1964	to	351	Brazil		1916	1953	2097	
		1969	2110	2112								



400	ASIA				
413	Israel	1651	1652	1653	1766
		1768	1770	1798	to
		1805	2163	2164	
417	Iran				1923
421	Pakistan			1405	1533
423	India	1546	1922	2013	2037
		2038	2039	2042	2176
		2252			
424	Ceylon	1616	1828	1830	1831
		1832	2040	2041	2047
		2374			
432	Thailand				1441
433	Malaya			1436	1704
433	Singapore				1445
434	Indonesia			1433	2014
435	New Guinea			1924	1986
437	Philippines		1437	1575	2043
438	Vietnam		1535	1562	2062
441	Chinese People's Republic				
		1434	1439	1774	2105
442	Hong Kong			1771	1870
444	Korea	1439	1440	1444	1671
		1676			
451	Japan	1439	1447	1486	1494
		1498	1531	1536	1537
		1563	1571	1581	1585
		1587	1664	to	1667
		1669	to	1678	1681
		1682	1683	1687	1688
		1689	1732	1791	1868
		1871	1964	to	1969
		1999			
451	Japan, Hokkaido				2245
453	Formosa		1434	1439	1590
500	EUROPE			1418	2373
510	<u>Scandinavia</u>				2017
511	Denmark	1465	to	1479	1481
		to	1484	1834	1835
		1982			
513	Iceland				1523
514	Norway	1492	1493	1498	1501
		1833	1931	1958	2322
		2369			
515	Bear I.				1984
516	Sweden	1603	1605	1606	1608
		1609	1610		
517	Finland	1596	1781	1782	2023
		2024	2025		
521	Netherlands		1498	1986	2218
		2260			
522	Belgium			2194	2251
524	France	1421	1423	1453	1717
		1722	1762	1815	1869

524	France (continued)	1947	1948
		1952	1954
		2221	2257
		2274	2298
		2301	
532	UK	1498	1709
		1827	1880
		2006	
533	England	1409	1414
		1807	2224
533	Wales		1414
534	Scotland	1410	1415
		1416	1633
541	Portugal		1419
542	Spain	1417	1419
		1652	1653
		1654	1961
		2187	2163
		2187	2164
543	Italy	2019	2163
		2302	2320
546	Corsica		2129
551	Yugoslavia	1461	1462
		1652	1653
		2163	2164
		2167	2326
553	Greece		2163
			2164
556	Turkey	1654	2163
		2163	2164
561	Germany	2237	2266
		2266	2271
561	Federal Republic of Germany		
		1620	1624
		1817	2023
		2157	2162
		2162	2168
		2171	2236
		2258	2269
562	Switzerland		2023
563	Austria		2024
			2191
571	German Democratic Republic		2023
572	Poland	1623	1983
		1983	2023
573	Czechoslovakia		2023
574	Hungary	1783	1784
		1784	2023
600	OCEANIA		
610	<u>Australia</u>	1487	1507
		1511	1526
		1582	1729
		1868	
612	Western Australia		1496
617	Tasmania		1509
617			1508
630	<u>New Zealand</u>	1411	1412
		1412	1413
		1998	2480
632	Cook Is.		2159
633	Kermadec Is.		1564
637	Chatham Is.		2117
641	Fr. Oceania		1902
650	<u>Line Is.</u>		1872
651	Christmas I.		1511
660	<u>USA (Hawaiian Is.)</u>	1551	1602
		1902	2337
682	New Caledonia		2093
683	New Hebrides		1876
684	Fiji Is.		1872

700	USSR	1439	1498	1878	1879
		1959	2065	2105	2210
710	<u>Russian FSSR</u>	1518	1521	1522	
		1524	1700	1703	2060
732	Latvian SSR			2066	
800	SPECIAL INTERCONTINENTAL REGIONAL GROUPINGS				
815	Polar Regions			2246	
820	<u>Antarctic Continent</u>	1450	1714		
		1747	1748	1751	1753
		1789	1790	2210	2248
A	ATLANTIC OCEAN	1485	1705		
		1709	1715	2477	
AN	<u>Atlantic, N.</u>	1787	1896	1897	
		1898	1960	2212	2215
		2249	2284	2287	2305
		2306			
ANW	<u>Atlantic, N.W.</u>	1847	1853		
		1881	1883	2175	2310
		2311			
ANW.04	G. of St. Lawrence	2242	2243		
		2244	2280	2285	2294
		2309			
ANW.05	G. of Maine	1854	1855	2289	
		2296			
ANW.06	Chesapeake B.	1891	1892		
ANW.07	B. of Fundy	2282	2286	2289	
		2296			
ANE	<u>Atlantic, N.E.</u>	1448	1701		
		1806	1986	2161	2178
		2181	2185		
ANE.01	White Sea		1701		
ANF.02	Barents Sea	1491	1752	2080	
ANE.04	North Sea	1415	1491	1752	
		1836	1837	2081	2118
		2250	2264	2483	
ANE.05	Baltic Sea	1932	2081	2155	
		2203	2239	2259	
ANE.08	English Channel		1814		
ANE.10	Norwegian Sea	1491	1752		
ASW.01	G. of Mexico	1636	1850	2113	
		2235			
ASW.02	Caribbean Sea		2113		
ASE	<u>Atlantic, S.E.</u>	2181	2182		
		2184	2320		
ASE.01	B. of Biscay		1823		
ASE.02	Mediterranean Sea	1423	1645		
		1657	1659	1660	2183
		2192	2275	2276	2277
		2324			
ASE.03	Mediterranean Sea, Western	1715	2184	2272	

ASE.08	Adriatic Sea			2273	
ASE.09	Sea of Marmara			1658	
ASE.10	Black Sea	1513	1659	1696	
		2119	2247		
ASE.11	Sea of Azov			1696	
I	INDOPACIFIC OCEAN	1525	1530		
		1549	1552	1553	1554
		1556	to	1561	1566
		1710	1715	1864	1900
		1903	1904	2121	2189
		2213	2214		
IN	Pacific, N.	1438	1515	1568	
		1574	1576	1584	1586
		1591	1791	1884	1901
		1905	1933	1944	
IN.02	Sea of Okhotsk	1668	2124	2148	
		2152			
IN.03	Bering Sea	1684	2120	2151	
IN.05	Georgia Strait			1980	
IS	<u>Tropical Indopacific</u>	1438	1550		
		2188			
ISEW	Indopacific, Central	1432	1435		
		1438	1529	1555	1576
ISEW.01	G. of Thailand		1446	1795	
ISEW.02	S. China Sea			1446	
ISEW.03	G. of Tonkin			1446	
ISEW.18	Coral Sea			1755	
ISE	Pacific, S.E.		2116	2208	
ISE.02	G. of Panama			2323	
P	POLAR SEAS				
PN	<u>Arctic Ocean</u>	1788	2190	2240	
PS	<u>Southern Ocean</u>	1486	1488	1492	
		1691	1754	1756	
PSEW	S. Polar Seas	1592	1686	1746	
		1772			
PSEW.02	Weddell Sea			1629	
PSEW.06	Bellingshausen Sea			1749	
L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS				
L.11	<u>East African Lakes</u>	1614	2092		
L.21	<u>American Great Lakes</u>	1797	1848		
		1849	1893	1894	1895
		2034	2076	2078	2340
L.72	<u>Caspian Sea</u>	1773	1923		





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FiB:sjh

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FiB:sjh

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FiB:sjh

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incl. new spp. Rhodophyta: Ptero-  
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FAO:sjh

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FAO:sjh

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FAO:sjh

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FAO:sjh

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FAO:sjh

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FAO:sjh

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TL:sjh

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FAO:sjh

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FiB:glk

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FiB:glk

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Proc.Acad.nat.Sci.Philad., 109:81-103  
Review of the blenny genus Chaenopsis,  
and the description of a related new  
genus from the Bahamas

M

Böhlke, J. (1957) 59-2595  
Proc.Acad.nat.Sci.Philad., 109:25-57  
Bahaman species of Emblemariid blennies

M

Deguchi, Y. & 59-2598  
S. Kokubo (1957)  
Bull.Res.Coll.agric.vet.Sci., (8):13-35  
Contribution to the study of aquarium  
conditions. 1 - On the physiological  
balance between fish and plants in the  
fresh water aquarium

F

Eddie, G.C. (1958) 59-2599  
Shipbuilder, Jan.:1-4  
Power requirements for deep-sea  
trawling

M

Wilson, D.P. (1959) 59-2602  
J.Mar.biol.Ass.U.K., 38(1):1-2  
Obituary - Dr. G.A. Steven, F.R.S.E.

Briefly reviews the work done by the deceased scientist on rays & skates, shags & cormorants, seals & mackerels, & his other activities developing the fisheries of Sierra Leone, helping designing the research vessel SARSIA, writing a handbook in net-making & as professor of marine biology.

HR:hr

M

Georgala, D.L. (1958) 59-2600  
J.gen.Microbiol., 18:84-91  
Bacterial flora of the skin of North  
Sea cod

M

Mason, J. (1959) 59-2603  
J.Mar.biol.Ass.U.K., 38(1):3-16  
The biology of Nicothoë astaci Audouin  
and Milne Edwards

Considers the adult female, male, breeding cycle, life cycle & growth, & relationship between the sp. & the moulting of the lobster.

HR:hr

M

Young, E.G. & 59-2601  
W.M. Langville (1958)  
Canad.J.Res.(Bot.), 36:301-10  
Occurrence of inorganic elements in  
marine algae of the Atlantic provinces  
of Canada

M

Cameron, J. (1959) 59-2604  
J.Mar.biol.Ass.U.K., 38(1):17-25  
The larval and post-larval stages of  
Gymnammodytes semisquamatus (Jourdain)

Larval & post-larval stages are described from recently hatched larvae up to juvenile stages; Ammodytidae post-larvae ascribed by several authors to Ammodytes lanceolatus are shown to be identified with post-larval stages of G. semi-squamatus.

HR:hr

M

Kennedy, G.Y. (1959) 59-2605  
J.Mar.biol.Ass.U.K., 38(1):27-32  
A porphyrin pigment in the integument  
of Arion ater (L.)

The porphyrin of the integument has been identified as uroporphyrin I. Chromatographic behaviour, reactions & melting-point are described. In the coloured forms of A. ater, the amount of porphyrin is shown to be directly proportionated to that of the associated melanoid pigment. Reasons for this are suggested.

HR:gyk

M

Jones, W.E. (1959) 59-2608  
J.Mar.biol.Ass.U.K., 38(1):47-56  
The growth and fruiting of Gracilaria verrucosa (Hudson) Papenfuss

The annual cycles of vegetative growth & reproduction are described. It is suggested that the temperature of the sea water is the most important factor in controlling the growth rate. Spore production can be closely related to the vegetative growth cycle.

HR:wej

M

Russell, F.S. (1959) 59-2606  
J.Mar.biol.Ass.U.K., 38(1):33-40  
Some observations on the scyphomedusa  
Atolla

At any time of year the population from the Bay of Biscay shows two peaks at maturity, one between 10 & 20 mm diameter & the other between 60 & 70 mm. It is shown that the smaller of the 2 peaks is composed of specimens of A. parva, while the larger specimens are A. wyvillei.

HR:fsr

M

Spooner, G.M. (1959) 59-2609  
J.Mar.biol.Ass.U.K., 38(1):57-63  
The occurrence of Microcharon in the Plymouth offshore bottom fauna, with description of a new species

Considers the genus, describes M. harrisi sp. nov. & discusses its faunistic relationships.

HR:hr

M

Armstrong, F.A.J. & 59-2607  
E.I. Butler (1959)  
J.Mar.biol.Ass.U.K., 38(1):41-5  
Chemical changes in sea water off  
Plymouth during 1957

The results of analysis of sea-water samples from the International Hydrographic Station E I during 1957 are given in graphical form & as integral mean values for the water column of 70 m. Unusual vertical distributions of silicate were found in April & August, & are attributed to laminar water movements.

HR:faja

M

Gilpin-Brown, J.B. (1959) 59-2610  
J.Mar.biol.Ass.U.K., 38(1):65-80  
The reproduction and larval development of Nereis fucata (Savigny)

The reproduction & larval development is described up to the time of settlement (6- to 7-setigers). The reproduction & development is discussed & shown to be very similar to that of the other members of the family. No special commensal adaptation was observed during the larval period. It is therefore concluded that this occurs after settlement.

HR:jgbg

M



Barry, J.C. & 59-2611  
K.A. Munday (1959)  
J.Mar.biol.Ass.U.K., 38(1):81-95  
Carbohydrate levels in Patella

Records the seasonal levels of blood glucose in Patella paralleled by tissue glycogen concentrations. In addition, starvation effects of these carbohydrate levels have been established under laboratory conditions, & the effects of glucose administration on blood glucose concentration studied.

HR:jcb

M

Atkins, D. (1959) 59-2614  
J.Mar.biol.Ass.U.K., 38(1):133-42  
A new species of Platidia (Brachio-  
poda) from the La Chapelle Bank region

P. annulata has been found & described. It is characterized by having a complete ring over the septum, a small area only of the oral disc covered by spicules, & long mantle setae.

HR:da

M

Carlisle, D.B. & 59-2612  
E.J. Denton (1959)  
J.Mar.biol.Ass.U.K., 38(1):97-102  
On the metamorphosis of the visual pigments of Anguilla anguilla (L.)

Immature "yellow" eels have purplish coloured retinae, when "silver" approaching maturity the eye enlarges & the retina changes to a golden colour with a higher retinal density of photosensitive pigment & more efficient in usefully absorbing the light incident on it.

HR:hr

M

Wiersma, C.A.G. (1959) 59-2615  
J.Mar.biol.Ass.U.K., 38(1):143-52  
Movement receptors in decapod crustacea

The functional significance of some peculiar pits in the joint regions of Homarus is studied. The presence of movement fibres in other arthropods is discussed & some points relating to the possible homologies of proprioceptive sense organs in the legs of arthropods are presented.

HR:cagw

M

Atkins, D. (1959) 59-2613  
J.Mar.biol.Ass.U.K., 38(1):103-32  
The growth stages of the lophophore of the brachiopods Platidia davidsoni (Eudes Deslongchamps) and P. anomioides (Philippi), with notes on the feeding mechanism

P. davidsoni & P. anomioides have been examined living. The adult lophophore in both is shown to be a somewhat modified plectolophe, the spiral arm short with but one coil. Full series of growth stages of the lophophore & its support of both spp. are described & figured for the first time.

HR:da

M

Jones, W.E. (1959) 59-2616  
J.Mar.biol.Ass.U.K., 38(1):153-67  
Experiments on some effects of certain environmental factors on Gracilaria verrucosa (Hudson) Papenfuss

A raft is described which permits experiments on the effect of current & still water on marine organisms. This has been used in experiments on growth of G. verrucosa. The bleaching of the thalli when illuminated by light of high intensity has been observed on the raft & demonstrated under tungsten spotlamps in the laboratory. Positive phototropism of the branches of the plant has been demonstrated.

HR:wej

M

Parke, M. (1959) 59-2617  
J.Mar.biol.Ass.U.K., 38(1):169-88  
Studies on marine flagellates - V.  
Morphology and microanatomy of  
Chrysochromulina strobilus sp. nov.

C. strobilus is described, the anatomy  
of the haptonema & the organs internal  
to the cell are studied. The  
structure of the pyrenoidis described.

HR:hr

M

Loosanoff, V.L. (1957) 59-2620  
Milford, Conn., mimeo, 23 p.  
Tentative program for rehabilitation  
of New England and New York oyster  
fisheries

M

Allen, J.A. (1959) 59-2618  
J.Mar.biol.Ass.U.K., 38(1):189-220  
On the biology of Pandalus borealis  
Krøyer, with reference to a population  
off the Northumberland coast

Data on the distribution of Pandalus  
borealis have been brought up to date  
& the factors controlling its  
distribution - temperature, salinity,  
substratum & depth - are discussed.  
An account of the biology of the  
population off the Northumberland  
coast is given & compared with accounts  
of work on other populations. Growth  
rate is described & compared.

HR:jaa

M

Alaska. Fisheries 59-2621  
Department (1957)  
Juneau, Alaska  
Annual report no. 8, 1956-57

MF

D'Ombraín, A. (1957) 59-2619  
Angus & Robertson, Sydney, 222 p.  
Game fishing off the Australian coast

M

University of Liverpool. 59-2622  
Marine Biological Station  
Port Erin (1958)  
Liverpool  
70th annual report for the year 1957

M

California University. 59-2623  
Scripps Institution of  
Oceanography (1958)  
Phys.chem.Data Rep.Scripps Instn.  
Oceanogr., (50)  
Cruise 5307 - 8-27 July, 1953

M

California University. 59-2626  
Scripps Institution of  
Oceanography (1958)  
Phys.chem.Data Rep.Scripps Instn  
Oceanogr., (93):  
Cruise 5702 - 2-26 February, 1957

M

California University. 59-2624  
Scripps Institution of  
Oceanography (1958)  
Phys.chem.Data Rep.Scripps Instn  
Oceanogr., (51):  
Cruise 5308 - 5-30 August, 1953

M

California University. 59-2627  
Scripps Institution of  
Oceanography (1958)  
Phys.chem.Data Rep.Scripps Instn  
Oceanogr., (94):  
Cruise 5703 - 6-30 March, 1957

M

California University. 59-2625  
Scripps Institution of  
Oceanography (1958)  
Phys.chem.Data Rep.Scripps Instn  
Oceanogr., (92)  
Cruise 5701 - 4-19 January, 1957

M

California University. 59-2628  
Scripps Institution of  
Oceanography (1958)  
Phys.chem.Data Rep.Scripps Instn  
Oceanogr., (95):  
Cruise 5704 - 5-30 April, 1957

M



Lund, J.W.G. (1957) 59-2629  
Coll.Pap.Freshw.biol.Ass., (320):  
 Chemical analysis in ecology  
 illustrated from lake district tarns  
 and lakes - 2. Algal differences

F

Scourfield, D.J. & 59-2632  
 J.P. Harding (1958)  
Coll.Pap.Freshw.biol.Ass., (5):  
 Key to the British species of fresh-  
 water Cladocera

F

Macan, T.T. (1957) 59-2630  
Coll.Pap.Freshw.biol.Ass., (321):  
 Chemical analysis in ecology  
 illustrated from lake district tarns  
 and lakes - 3. Faunistic differences

F

von Banse, K. (1957) 59-2633  
Vidensk.Medd.dansk naturh.Foren.Kbh.,  
 119:67-105  
 Die Gattungen Oriopsis, Desdemona und  
Augeneriella (Sabellidae, Polychaeta)  
 (The genus Oriopsis, Desdemona and  
Augeneriella, Sabellidae, Polychaeta)

M

Fryer, G. (1957) 59-2631  
Coll.Pap.Freshw.biol.Ass., (332)  
 Feeding of some cyclopoid copepods

F

Hodgkin, E.P. & 59-2634  
 V. di Lollo (1958)  
J.roy.Soc.W.Aust., 41(2):42-54  
 Tides of south-western Australia

M

Lanzing, W.J.R. (1957) 59-2635  
Vakbl.Biol., 37(9):  
Biologie van de Petromyzonidae  
(The biology of Petromyzonidae)

M

McNally, J. (1957) 59-2638  
Fauna Contr., Vict., (6):  
Feeding habits of cormorants in  
Victoria

M

Lanzing, W.J.R. (1958) 59-2636  
Proc.K.Ned.Akad.Wetensch., 61C(3):300-7  
Structure and function of the suction  
apparatus of the lamprey

MF

Lynch, D.D. (1957) 59-2639  
Fish.Circ., Vict., (1):  
Fishing industry in Victoria

MF

Mauritius. Fisheries 59-2637  
Branch (1957)  
Port Louis, mimeo  
Annual report for the year 1955

MF

Wharton, J.C.F. (1957) 59-2640  
Fish.Contr., Vict., (6):  
Preliminary report on new techniques  
for the artificial fertilisation of  
trout ova

F

Victoria. Fisheries & 59-2641  
Game Department (1957)  
Gen.Circ., Vict., (6)  
Edible molluscs

M

Kabata, Z. (1957) 59-2644  
Parasitology, 47(1-2):165-8  
Notes on a new host of Myxobolus  
aeglefinus

Reports records of & gives  
description of the sp. infesting the  
cranium of Pleuroneustes platessa.

FiB:efa

M

Downes, M.C. (1957) 59-2642  
Wildl.Circ., Vict., (5)  
Living space for wildfowl

F

Saaty, F. (1959) 59-2645  
McGraw Hill, New York,  
Mathematical methods of operations  
research

G

Morović, D. (1958) 59-2643  
Acta adriat., 6(7):28 p.  
Rast kamenica (Ostrea edulis L.) u  
Mljetskim jezerima 1952-1955 (Growth  
of oysters, Ostrea edulis L., in the  
Mljet lakes 1952-1955). Fr

Study of the productivity of these lakes  
before & after experimental  
fertilisation. Arrangements for planting  
the oysters are described, together with  
the environmental conditions, &  
tabulations & diagrams show growth  
obtained in length & weight.

FAO:glk

MF

International Labour 59-2646  
Office (1959)  
Geneva  
Introduction to work study

G



Castellanos, Z.J.A. (1957) 59-2647  
Buenos Aires, 52 p.  
 Contribucion al conocimiento de las  
 especies de ostras del litoral  
 Argentino (Ostrea puelchana y O. spreta)  
 (Contribution to the knowledge of  
 oysters from the Argentine coast,  
Ostrea puelchana and O. spreta)

Langford, H.G. (1957) 59-2650  
Contr.Bermuda biol.Sta., (193):  
 Production of exophthalmos in  
Fundulus heteroclitus (var. Bermudae)  
 by triiodothyronine and dessicated  
 thyroid

M

dé Plaza, M.L.F. & 59-2648  
 E.E. Boschi (1957).  
Buenos Aires, 38 p.  
 Desnutricion y deformaciones  
 vertebrales en pejerreyes de los  
 embalses de Cordoba (Malnutrition  
 and vertebral deformations of silver-  
 sides in the Cordoba reservoirs)

Bainbridge, R. & 59-2651  
 T.H. Waterman (1957)  
Contr.Bermuda biol.Sta., (231)  
 Polarised light and the orientation  
 of two marine crustacea

M

Victoria. Fisheries & 59-2649  
 Game Department (1958?)  
Melbourne, 31 p.  
 Snobs creek fish hatchery

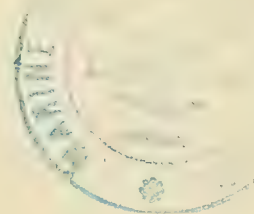
Smith, C.L. (1957) 59-2652  
Occ.Pap.Mus.Zool.Univ.Mich., (585)  
 Two new clinid blennies (Malacoctenus  
 from Puerto Rico)

M

Cribb, A.B. (1958) 59-2653  
Pap.Dep.Bot.Univ.Qd, 3(19):  
Records of marine algae from south-  
eastern Queensland - 3. Laurencia Lamx

M

Provasoli, L. & al. (1957) 59-2656  
Coll.Repr.Scott.mar.biol.Ass., (244):  
Development of artificial media for  
marine algae



M

Cribb, A.B. (1958) 59-2654  
Pap.Dep.Bot.Univ.Qd, 3(22):  
A note on the structure of green alga  
Callipsygma wilsonis J. Ag.

F

Lewis, J.R. (1957) 59-2657  
Coll.Repr.Scott.mar.biol.Ass., (249):  
Intertidal communities of the  
northern and western coasts of  
Scotland

M

Cribb, A.B. (1958) 59-2655  
Pap.Dep.Bot.Univ.Qd, 3(23):  
Records of marine algae from south-  
eastern Queensland - 4. Caulerpa

M

Bagenal, T.B. (1957) 59-2658  
Coll.Repr.Scott.mar.biol.Ass., (250):  
Vertical range of some littoral  
animals on St. Kilda

M

MacDonald, J.D. & al. (1957) 59-2659  
Coll.Repr.Scott.mar.biol.Ass., (251):  
Larvae of the British species of  
Diogenes, Pagurus, Anapagurus and  
Lithodes (Crustacea, decapoda)

M

Barnes, H. & 59-2662  
M. Barnes (1957)  
Coll.Repr.Scott.mar.biol.Ass., (260):  
Resistance to desiccation in  
intertidal barnacles

M

Gibb, D.C. (1957) 59-2660  
Coll.Repr.Scott.mar.biol.Ass., (252):  
Free-living forms of Ascophyllum  
nodosum (L.) Le Jol

M

Salzen, E.A. (1957) 59-2663  
Coll.Repr.Scott.mar.biol.Ass., (262):  
Density of sea urchin eggs, embryos  
and larvae

M

Millar, R.H. (1957) 59-2661  
Coll.Repr.Scott.mar.biol.Ass., (253):  
Further notes on ascidians from  
Sierra Leone

M

Fisher, L.R. & al. (1957) 59-2664  
Coll.Repr.Scott.mar.biol.Ass., (264):  
Vitamin A isomers in some eucaridan  
crustacea

M



Utinomi, H. (1957) 59-2665  
Contr.Seto Mar.biol.Lab., (297):--  
Minabea ozakii n. gen. et n. sp.; a  
new remarkable alcyonarian type with  
dimorphic polyps

Tokioka, T. (1957) 59-2668  
Publ.Seto Mar.biol.Lab., 6:137-46  
Chaetognaths collected by the SOYO-  
MARU in the years 1934 and 1937-1939

M

Tokioka, T. (1957) 59-2666  
Contr.Seto Mar.biol.Lab., (299):  
Two new appendicularians from the  
eastern Pacific, with notes on the  
morphology of Fritillaria aequatorialis  
and Tectillaria fertilis

Utinomi, H. (1957) 59-2669  
Publ.Seto Mar.biol.Lab., 6:147-68  
Alcyonarian genus Bellonella from  
Japan, with descriptions of two new  
species

M

M

Ease, T. (1957) 59-2667  
Contr.Seto Mar.biol.Lab., (300):  
Report on mollusca chiefly collected  
by the s.s. SOYO-MARU of the Imperial  
fisheries experimental station on the  
continental shelf bordering Japan  
during the years 1922-1930 - 2.  
Scaphopoda

Yamazi, I. (1957) 59-2670  
Publ.Seto Mar.biol.Lab., 6:209-24  
Plankton investigation in inlet  
waters along the coast of Japan - 20.  
Diurnal change of plankton animals at  
an innermost station in Wakayama  
harbour

M

M

Kebbe, C.E. (1959) 59-2671  
Ore.St.Game Bull., 14(4):8  
The nutria in Oregon

A short review of the status of  
Myocaster coypus.

WAD:wad

F

di Costanzo, C.J. (1957) 59-2674  
Iowa St.Coll.J.Sci., 32(1):19-34  
Growth of bluegill; Lepomis macro-  
chirus, and pumpkinseed, L. gibbosus,  
of Clear lake, Iowa

F

Brook, A. (1958) 59-2672  
Min.Proc.R.Irish Acad., 59B(6):71-91  
Desmids from the plankton of some  
Irish loughs.

Descriptions & comments are given  
concerning 30 rare or unusual spp. in  
loughs in N. & W. Ireland. Of these,  
Staurostrum furcigerum var. simpli-  
cissimum from Lough Corrib is new;  
6 other spp. have not been previously  
recorded from the British Isles.

gb

F

Cowper, T.R. (1958) 59-2675  
Pap.roy.Soc.Tasm., 92:149  
New records of fishes from the south-  
eastern Australian continental slope

M

di Costanzo, C.J. & 59-2673  
R.L. Ridenhour (1957)  
Proc.Iowa Acad.Sci., 64:621-8  
Angler harvest in the summers of 1953  
to 1956 at Clear lake, Iowa

F

Kutkuhn, J.H. (1958) 59-2676  
Iowa St.Coll.J.Sci., 32(3):419-50  
Plankton of North Twin lake, with  
particular reference to the summer of  
1955

F

Olsen, A.M. (1958) 59-2677  
Pap.roy.Soc.Tasm., 92:155-9  
New fish records and notes on some  
uncommon Tasmanian species

M

Amar, R. (1957) 59-2680  
Bull.Sta.marit,Endoume, 12(21):74-9  
Sur un nouveau Synisoma méditerranéen  
(Isopoda, valvifera) (On a new  
mediterranean Synisoma, Isopoda,  
valvifera)

M

Arlman, J., P. Santema 59-2678  
& J.N. Svasek (1957)  
Rijkswaterstaat, The Hague  
Movement of bottom sediment in coastal  
waters by current and waves;  
measurements with the aid of radio-  
active tracers in the Netherlands

M

Allen, M.J. (1957) 59-2681  
Biol.Bull., Wood's Hole, 113(1):49-57  
The breeding of polychaetous  
annelids near Parguera, Puerto Rico

M

Andreu, B. (1957) 59-2679  
III Reunion sobre Prod. y Pesq.Inst.  
Invest.pesq., 32-7  
Aplicaciones de la luz intermitente  
sumergida en la pesca de la sardina  
(Applications of submerged inter-  
mittent light to the sardine fishery)

M

Allen, K.R. (1957) 59-2682  
Publ.Fish.Lab.N.Z.Mar.Dep., (34)  
Freshwater fish

F



Arnoult, J. (1957) 59-2683  
Bull.Mus.Hist.nat., Paris, 29(6):464-6  
 Sur quelques poissons rares et peu  
 connus des eaux douces de France  
 (On some rare and little known fresh  
 water fishes of France)

F

Alexandrov, S.W. & 59-2686  
 K.F. Galkowskya (1957)  
J.gen.Biol., Moscow, 18(1):52  
 (On the relation between the general  
 resistance and radio-resistance in  
 animals). Ru

MF

Arnold, D.C. (1957) 59-2684  
Pubbl.Staz.zool.Napoli, 30(2):263-8  
 Further studies on the behaviour  
 of the fish Carapus acus (Brünnich)

M

Ahmad, N. (1957) 59-2687  
Govt.E.Pakistan, Dacca  
 Methods of collection and hatching  
 of carp ova in Chittagong with some  
 suggestions for their improvement

F

Alexandrowicz, J.S. (1957) 59-2685  
Pubbl.Staz.zool.Napoli, 29:213-25  
 Notes on the nervous system in the  
 stomatopoda. V. The various types of  
 sensory nerve cells

M

Abolins, L. & 59-2688  
 A. Abolins-Krogis (1957)  
Pubbl.Staz.zool.Napoli, 29:389-406  
 Studies on skin carotenoids of  
Crenilabrus pavo C.V.

M

Alm, H. (1957) 59-2689  
Fischereiwelt, 4:25-7  
 Trawlheringssaison 1956 - Qualität  
 und Preisbildung (Trawl-herring  
 season 1956 - Quality and quotation)

M

Böhnecke, G. (1957) 59-2692  
Umschau, 57(3):65  
 Das Internationale Geophysikalische  
 Jahr - II: Die ozeanographischen  
 Arbeiten und der deutsche Anteil  
 (The International Geophysical Year -  
 II: oceanographic results and the  
 German participation)

M

Bonnefille, R. (1957) 59-2690  
Lab.National d'Hydraulique, Chatou  
 Avant projet de modèle hydraulique  
 fixe représentant les marées  
 océaniques semi-diurnes  
 (Preliminary draft of a fixed  
 hydraulic model representing the half  
 diurnal oceanic tides)

M

Bobin, G. & 59-2693  
 M. Prenant (1957)  
Ann.Sci.nat.(b), 19(1-2):23-48  
 Histogénese et histolyse de la région  
 peristomiale et de la collerette chez  
Alcyonidium gelatinosum L. (Bryozaire  
 ctenostome) (Histogenesis and  
 histolysis of the peristoma and the  
 collar of the Alcyonidium gelatinosum  
 L., Bryozoa, ctenostomata)

M

Buchner, H., F. Mulzer 59-2691  
 & F. Rauch (1957)  
Biol.Zbl., 76(3):289-315  
 Untersuchungen über die Variabilität  
 der Rädertiere - I. Problemstellung  
 und vorläufige Mitteilung über die  
 Ergebnisse (Investigations of the  
 variability of rotatoria - I. Problems  
 and preliminary information on the  
 results)

F

Schmidt-Nielsen, B. (1958) 59-2694  
Physiol.Rev., 38:139-68  
 Urea excretion in mammals

Reviews evidence which indicates  
 inadequacy of currently accepted  
 concepts for the renal excretion of  
 urea in mammals & suggests an  
 hypothesis which is supported by  
 physiological & anatomical findings &  
 based on the counter-current multiplier  
 principle. Treats of some aquatic  
 mammals.

FAO:glk

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:sjh

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Anatolia, near the Mediterranean - &  
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Obrazovaniie l'da v ozerakh, rekakh  
i moriakh (Formation of ice in  
lakes, rivers and seas)

MF

Antonov, V.S. (1957) 59-2808  
Probl.arct., Leningrad, (1):41-50  
Osnovniie prichiny kolebaniia obshchei  
ledovitosti arkticheskikh morei  
(Basic causes for fluctuation of the  
amount of ice cover of Arctic seas)

M



Gudkovich, Z.M. (1957) 59-2809  
Probl.arct., Leningrad, (1):19-27  
K izucheniiu nevetrovoi  
sostavliaiushchev dreifa l'dov  
(Study of the non-wind component of ice  
drift)

M

Mel'kheiev, M.N. (1958) 59-2812  
Bull.All-Un.geogr.Soc., 90(1):63-6  
Ob usloviakh obrazovaniia i  
strukturnykh tipakh donnogo l'da na  
rekakh vostochnoi Sibiri  
(Conditions of formation and  
structural types of anchor ice in  
rivers of eastern Siberia)

M

Dralkin, A. (1958) 59-2810  
Morsk.Flot, (6):21-2  
Dreif stantsii "Severnyi polius 4"  
v pripoliusnom raione tsentral'nogo  
poliarnogo basseina (Drift of the  
station "North Pole 4" in the vicinity  
of the pole)

M

Timofeiev, V.T. (1957) 59-2813  
Probl.arct., Leningrad, (1):29-33  
O formirovanii donnykh vod tsentral'-  
noi chasti arkticheskogo basseina  
(Formation of bottom water in the  
central part of the Arctic basin)

M

Donovan, F.P. (1957) 59-2811  
Defence Research Board, Ottawa  
A preliminary report on ice conditions  
on salt and fresh water bodies in the  
vicinity of Fort Churchill

MF

Zenkevich, L.A. (1958) 59-2814  
Trud.Inst.Okeanol., 27:368 p.  
Issledovaniia Kurilo-Kamchatskoi  
vpadiny i severo-zapadnoi chasti  
Tikhogo okeana (Investigations of  
the Kuril-Kamchatka trench and of the  
north-west part of the Pacific ocean)

M

Antonov, V.S. (1957) 59-2815  
Trud.arktich.N.I.Inst., 208:25-52  
Rasprostraneniie rechnykh vod v  
arkticheskikh moriakh (Spread of  
river water in Arctic seas)

M

Meylakh, I.G. (1958) 59-2818  
Probl.arct., Leningrad, (3):35-40  
K voprosu o proniknovenii vod  
Severnogo Ledovitogo okeana v  
Beringovo more (On the penetration  
of waters of the Arctic Ocean into the  
Bering sea)

M

Bezrukov, P.L. (1957) 59-2816  
Trud.Inst.Okeanol., 22:260 p.  
Geologicheskiye issledovaniia v  
dal'nevostochnykh moriakh (Geologic  
investigations in Far Eastern seas)

M

Shtokman, V.B. (1957) 59-2819  
Trud.Inst.Okeanol., 25:171-97  
Vliianiie vetra na techeniia v  
Beringovom prolive, prichiny ikh  
bol'shikh skorostei i preobladaiushchego  
severnogo napravleniia (Influence  
of wind on currents in Bering strait,  
the causes of their high speeds and  
predominantly northerly direction)

M

Lisitsyn, A.P. & 59-2817  
A.V. Zhivago (1958)  
Bull.Acad.Sci.U.R.S.S.(Geogr.), (2):  
9-21  
Rel'ief dna i osadki iuzhnoi chasti  
Indiiskogo okeana (Bottom relief  
and deposits of the southern part of  
the Indian Ocean)

M

Gorbunov, Yu.A. (1957) 59-2820  
Probl.arct., Leningrad, (1):35-40  
O vodoobmene Vostochno-sibirskogo i  
Chukotskogo morei cherez proliv Longa  
(Water exchange of the East Siberian  
and Chukchi seas through Proliv Longa)

M

Antonov, V.A. (1957) 59-2821  
Trud.arktich.N.-I.Inst., 208:5-13  
Klimaticheskiye prichiny kolebaniy  
stoka krupnykh sibirskikh rek  
(Climatic causes of fluctuations in  
flow of the great Siberian rivers)

MF

Simonsen, P. (1957) 59-2824  
Ottar, (15):31-3  
Folk og strandlinjer (People and  
coastlines)

M

Antonov, V.S. & 59-2822  
V.Ya Morozova (1957)  
Trud.arktich.N.-I.Inst., 208:13-24  
Summarnyi materikovyj stok v  
arkticheskiye moria (Total flow  
from the mainland into arctic seas)

MF

Zinova, A.D. (1957) 59-2825  
Trud.Inst.Okeanol., 23:146-67  
Morskiye vodorosli vostochnoi chasti  
sovetskogo sektora Arktiki (Marine  
algae of the eastern part of the  
Soviet sector of the Arctic)

M

Cherniaieva, F.A. (1957) 59-2823  
Trud.arktich.N.-I.Inst., 208:53-122  
Ploshchadi sovetskikh arkticheskikh  
morei i ikh vodosbornykh basseinov  
(Areas of Soviet arctic seas and their  
catchment areas)

MF

Manguin, E. (1957) 59-2826  
Rev.algol., (3):111-34  
Premier inventaire des Diatomées de  
la Terre Adélie antarctique: espèces  
nouvelles (First inventory of  
diatoms from Adélie Land, Antarctica:  
new species)

M



Pasternak, F.A. (1957) 59-2827  
Trud.Inst.Okeanol., 23:237-68  
 Kolichestvennoie raspredeleniie i  
 faunisticheskiie gruppirovki bentosa  
 Sakhalinskogo zaliva i prilozhashchikh  
 uchastkov Okhotskogo moria  
 (Quantitative distribution and  
 grouping of benthos of Sakhalinskiy  
 Zaliv and adjacent parts of the  
 Okhotsk sea)

M

Allg  n, C.A.J. (1957) 59-2830  
Medd.Gr  nland, 159(3):42 p.  
 On a small collection of freeliving  
 marine nematodes from Greenland and  
 some other arctic regions; with  
 reviews and analyses of the  
 compositions of all hitherto known  
 arctic nematode faunas

M

Filatova, Z.A. (1957) 59-2828  
Trud.Inst.Okeanol., 23:195-215  
 Zoogeograficheskoie raionirovaniie  
 severnykh morei po rasprostraneniui  
 dvystvorchatykh molliuskov  
 (Zoogeographical zoning of northern  
 seas by distribution of bivalve  
 molluscs)

M

Levenshtein, R.Ya. (1957) 59-2831  
Trud.Inst.Okeanol., 23:286-90  
 Novyie i redkiie v faune Beringova  
 moria glubokovodnyie vidy  
 mnogoshchetinkovykh chervei  
 (Polychaeta) (Deep-water species  
 of Polychaeta which are new or rare  
 in the fauna of the Bering sea)

M

Wikgren, Bo-J. & 59-2829  
 E. Muroma (1957)  
Acta zool.fennica, 93:22 p.  
 Studies on the genus Diphyllobathrium.  
 A revision of the Finnish finds of  
 Diphyllbothrid plerocercoids

MF

R  en, U. (1958) 59-2832  
Medd.Gr  nland, 159(2):2-9  
 Studies on freshwater Entomostraca in  
 Greenland - I. Artemiopsis stefanssoni  
 Johansen in Greenland

F

Smidt, E. (1957) 59-2833  
Grønland, (6):221-8  
De grønlandske rejefelters  
naturhistorie (Natural history of  
west Greenland shrimping grounds)

M

Savilov, A.I. (1957) 59-2836  
Trud.Inst.Okeanol., 23:216-36  
Rost i iego izmenchivost' u  
bespozvonochnykh Belogo moria Mytilus  
edulis, Mya arenaria i Balanus  
balanoides (Growth and its  
variability in the White Sea  
invertebrates Mytilus edulis, Mya  
arenaria and Balanus balanoides)

M

Smidt, E. (1957) 59-2834  
Grønland, (8):281-9  
Rejebestande og rejefiskeri ved  
Grønland (Shrimp stocks and shrimp  
fishing in west Greenland waters)

M

Holmquist, C. (1958) 59-2837  
Medd.Grønland, 159(2):10-4  
An observation on young specimens of  
Ammodytes dubius

M

Lozina-Lozinskii, L.K. 59-2835  
& Ye.P. Turpaieva (1958)  
Biull.Mosk.Obsh.Isp.Prir., 63(1):23-33  
Rod Colossendeis (Pantopoda) v severnoi  
chasti Tikhogo okeana (The genus  
Colossendeis, Pantopoda, in the  
northern part of the Pacific ocean)

M

Belopol'skii, L.O. (1957) 59-2838  
Izdatel'stvo Akad.Nauk SSSR, Moscow,  
460 p.  
Ekologiya morskikh kolonial'nykh  
ptits Barentsova moria (Ecology  
of colonial sea birds of the Barents  
sea)

M

Rutilevskii, G.L. (1958) 59-2839  
Probl.arct., Leningrad, (3):116-9  
Narval v raione dreifuiushchei stantsii  
'Severnyi Polius-5' (Narwhal in  
the region of drifting station 'SP-5')

M

O'May, H. (Comp.) (1958?) 59-2842  
Gov.Printer, Tasmania, 2 vols.  
Wooden hookers of Hobart town, and  
whalers out of Van Diemen's land

M

Christiansen, H.C. (1957) 59-2840  
Atuagagdliutit/Grønlandsposten, (17):  
6-7  
Det grønlandske fiskeris økonomi  
(Greenland's fisheries economy)

M

Vanstone, J.W. (1958) 59-2843  
Pacif.Northw.Quart., 49(1):1-10  
Commercial whaling in the Arctic  
ocean

M

Christiansen, H.C. (1957) 59-2841  
Atuagagdliutit/Grønlandsposten, (16):  
7, 16  
Skridtet fra kyst- til bankefiskeri  
tages næppe de nærmeste år  
(The step from coast- to bank-fishery  
will hardly be taken during the next  
years)

M

Balakshin, L.L. (1958) 59-2844  
Probl.arct., Leningrad, (3):124-7  
Vysokoshirotnaia okeanograficheskaiia  
ekspeditsiia na dizel'-elektrokhode  
OB (High latitude oceanographical  
expedition in the Diesel-electric  
ship OB)

M



Baskakov, G.A. & 59-2845  
 A.V. Kopteva (1958)  
Probl.arct., Leningrad, (3):122-4  
Ekspeditsiia po issledovaniu techenii  
Karskogo moria v.1956 g.  
 (Expedition to study currents of the  
 Kara sea in 1956)

M

Liljequist, G.H. (1957) 59-2848  
Ymer, 77(4):260-79  
Den svensk-finsk-schweiziska  
expeditionen till Nordostlandet 1957-  
58. En allmän översikt fram till  
oktober 1957 (The Swedish-Finnish-  
 Swiss expedition to North-East-Land,  
 1957-58. A general outline up to  
 October 1957)

M

Hägglblom, A. (1957) 59-2846  
Nordenskiöld-Samf.Tidsskr., 17:71-83  
Ishav och glaciärer. Med m/s ARANDA  
till Nordostlandet, Spetsbergen  
 (Ice pack and glaziers. With the M/S  
 ARANDA up to North-East-Land,  
 Spitzbergen)

M

Bomford, A.G. & 59-2849  
 W.S.B. Paterson (1958)  
Emp.Surv.Rev., 14(107):204-13  
The survey of South Georgia

M

Bischof, W. (1957) 59-2847  
Till Fjälls, 29:42-7  
Längs Svalbards västkust-till det  
geofysiska årets svensk-  
finskschweiziska expedition på  
Nordostlandet (Along the Svalbard  
 west coast up to the geophysical year  
 Swedish-Finnish-Swiss expedition to  
 North-East-Land)

M

Nudel'man, A. (1958) 59-2850  
Morsk.Flöt, (4):22-3  
Kalendar' antarkticheskoi ekspeditsii  
(Calendar of the antarctic expedition)

M

Steensen, R.S. (1957) 59-2851  
Lundsgaard, 504 p.  
Den nordlige søvej (Northern sea  
route)

M

D'Ancona, U. (1957) 59-2854  
Pubbl.Staz.zool.Napoli, 29:307-22  
Nuove ricerche sperimentali  
sull'azione di ormoni steroidi sulla  
gonade dell'anguilla (New  
experimental investigations on the  
action of steroid hormones on the  
gonad of the eel)

M

Anonymous (1958) 59-2852  
Morsk.Flöt, (5):32  
Navstrechu arkticheskoi navigatsii  
(Towards the arctic navigation season)

M

Deacon, G.E.R. (1957) 59-2855  
Abstr. of paper presented at the 9th  
Pacific Science Congress, Pacific  
Science Ass., Bangkok,  
Upwelling in the Peru and Benguela  
currents

M

Santucci, L. (1957) 59-2853  
Rev.geogr.amer., 41(243):2-33  
Cartografía y fotogrametría argentina  
en la Antártida (Argentine  
cartography and photogrammetry in the  
Antarctica)

M

Cutting, C.L. & 59-2856  
& G.H.O. Burgess (1958)  
World Fish., 7(2):41-4  
Handling of inshore fish - I.

M

Alekseeva, S.P. (1957) 59-2857  
Probl. Ichthyol., Moscow, (9):55-67  
 (Materials for the study of the  
 reproductive cycle of the carp in the  
 Volga delta). Ru

F

Anonymous (1959) 59-2860  
Trade News, 11(7):9-11  
 Work of fisheries scientists lauded

Report with excerpts from speeches of  
 the annual meeting of the Fisheries  
 Research Board of Canada.

FAO:glk

MF

Soleim, P.A. (Comp.) (1959) 59-2858  
Beyer A.S. Boktrykkeri, Bergen, 304 p.  
Norsk fiskeralmanakk 1959  
 (Norwegian fisherman's almanach 1959)

Contains nautical almanack & tables;  
 fisheries laws & regulations, list of  
 fisheries organizations &  
 administrations; notes on fisheries  
 education, new books & fisheries  
 periodicals & various practical notes  
 & tables.

FAO:t1

MF

Milton, A.S. (1959) 59-2861  
Proc. roy. Soc., 150:240-4  
Choline acetylase in the gill plates  
of *Mytilus edulis*

New experimental evidence for presence  
 of this enzyme system controlling  
 ciliary movement; effect of  
 temperature.

FAO:sjh

M

Woodland, B. (1959) 59-2859  
Trade News, 11(7):3-5  
Newfoundland schooners made history

Historical notes on the development  
 of the fishery on the Newfoundland  
 banks.

FAO:glk

M

Horridge, G.A. (1959) 59-2862  
Proc. roy. Soc., 150:245-62  
Analysis of the rapid responses of  
*Nereis* and *Harmothoe* (Annelida)

Experiments on giant-fibre action  
 in these worms.

FAO:sjh

M



Ermin, R. (1959) 59-2863  
Balık Balıkçılık, 7(3):3-6  
Hydrobioloji Araştırma Enstitüsü 1958  
senesi faaliyeti (The activities  
of the Hydrobiological Research  
Institute in 1958)

Gives information about research on  
Sarda sarda, mackerels & Spanish  
mackerels undertaken by the Istanbul  
institute in Turkish waters.

SJH:sjh

M

Artüz, M.I. (1959) 59-2866  
Balık Balıkçılık, 7(4):11-4  
Türkiye sularında orkinozlar ve  
avcılığı - I. (Tuna in Turkish  
sea-waters and its catch - I.)

Gives information on general  
description & geographic distribution  
of Thunnus thynnus Linne. Incl.  
determination keys for Thunniformes.

SJH:efa

M

Uner, S. (1959) 59-2864  
Balık Balıkçılık, 7(3):10-2  
Palamut - Torik ve avcılığı - Kısım I.  
(Sarda sarda and its catch - Part I.)

Fisherman's description of hook &  
line fishing for this sp. in Turkish  
waters.

SJH:sjh

M

Uner, S. (1959) 59-2867  
Balık Balıkçılık, 7(4):14-6  
Palamut - Torik ve avcılığı - II.  
(Sarda sarda and its catch - II.)

A popular article on the biology &  
fishing of Sarda sarda.

SJH:efa

M

Ermin, R. (1959) 59-2865  
Balık Balıkçılık, 7(4):2-7  
Hydrobioloji Enstitüsü 1958 senesi  
faaliyeti - Kısım II. (The  
activities of the Hydrobiological  
Research Institute - Part II.)

A brief review of research on  
Mugilidae, Trachuridae; Pomatomus  
saltator L.; Penaeidae, plankton;  
water pollution; hydrography & inland  
water undertaken by the institute.  
Incl. notes on administrative  
activities.

SJH:efa

MF

Taneri, B. (1959) 59-2868  
Balık Balıkçılık, 7(4):17-9  
İnsanlar için tehlikeli olan balıklar -  
I. (Dangerous fishes - I.)

A popular review of biology of  
stingray.

SJH:efa

M

Ennor, A.H. & 59-2869

J.F. Morrison (1958)

Physiol.Rev., 38:631-74

Biochemistry of the phosphagens and related guanidines

Reviews literature on phosphagens with regard to: nomenclature; isolation & synthesis; physical & chemical properties; distribution; identification; metabolism; enzymatic hydrolysis; functions & alternative synthetic pathways; & biochemical evolution.

FAO:glk

MF

Braarud, T. (1958) 59-2872

Acta adriat., 8(15):8 p.

Some features of marine algal distribution in Norway. Yu

Discussion of temperature, salinity, submarine light supply, exposure & pollution, as environmental factors, with notes on distribution of certain larger benthic algae.

FAO:glk

M

Pollard, C.J. & 59-2870

J.G. Bieri (1959)

Biochim.biophys.Acta, 31:558-9

On the occurrence of vitamin A aldehydes in fish and frog ova

Description of method of preparation & isolation of retinene from frog eggs & report of material isolated in similar manner from row of herring, ling & whiting.

FAO:glk

MF

Hasler, A.D. & al. (1958) 59-2873

Limnol.Oceanogr., 3:353-61

Sun-orientation and homing in fishes

Investigation of homing of white bass, Roccus chrysops, to spawning ground by tagging & laboratory tests with Lepomis macrochirus on the influence of light on orientation.

GLK:tl

F

Alverson, F.G. (1959) 59-2871

Bull.interam.trop.Tuna Comm., 3:167-213

Geographical distribution of yellowfin tuna and skipjack catches from the eastern tropical Pacific ocean, by quarters of the year, 1952-1955.

En Es

Graphic & tabular presentation of data & discussion of possible indication of fish movements from catch distribution.

SJH:glk

M

Braemer, W. & 59-2874

H. Braemer (1958)

Limnol.Oceanogr., 3:362-72

Orientation of fish to gravity

The study of equilibrium position about the transverse axis in 3 spp. of Characinoidei.

GLK:tl

F

Carpelan, L.H. (1958) 59-2875  
Limnol.Oceanogr., 3:373-86  
The Salton sea. Physical and chemical characteristics

Diurnal & seasonal study of physical & chemical characteristics of the salt lake.

GLK:tl

F

Boroughs, H., S.J. Townsley 59-2878  
& W. Ego (1958)  
Limnol.Oceanogr., 3:413-7  
The accumulation of Y<sup>90</sup> from an equilibrium mixture of Sr<sup>90</sup>-Y<sup>90</sup> by Artemia salina (L.)

Results of investigation of uptake of Y<sup>90</sup> by unfed Artemia & the decay of this isotope in the organism in order to test whether Sr<sup>90</sup> or Y<sup>90</sup> had been taken up.

GLK:tl

M

St. John, P.A. (1958) 59-2876  
Limnol.Oceanogr., 3:387-97  
A volumetric study of zooplankton distribution in the Cape Hatteras area

Brief review of the topographic & hydrographic features of the area & the displacement volumes of zooplankton samples, collected in May, June & January, & the comparison of the volumes to those measured in other areas.

GLK:tl

M

Mann, K.H. (1958) 59-2879  
Limnol.Oceanogr., 3:418-22  
Annual fluctuations in sulphate and bicarbonate hardness in ponds

Description of the 4 ponds studied, of the seasonal fluctuations & discussion on the probable causes of these fluctuations.

GLK:tl

F

Bamforth, S.S. (1958) 59-2877  
Limnol.Oceanogr., 3:398-412  
Ecological studies on the planktonic protozoa of a small artificial pond

A 1-year survey of a small artificial pond to determine environmental relationships of planktonic protozoa to physical & inorganic chemical factors.

GLK:ssb

F

Steen, H. (1958) 59-2880  
Limnol.Oceanogr., 3:423-6  
Determinations of the solubility of oxygen in pure water

Reinvestigation of the subject by a new microgasometric technique at 4 different temperatures.

GLK:tl

F



Curry, L.L. (1958) 59-2881

Limnol.Oceanogr., 3:427-42

Larvae and pupae of the species of  
Cryptochironomus (Diptera) in  
Michigan

Ecology of the genus Cryptochironomus,  
descriptions of the spp. & keys  
for larvae & pupae.

GLK:tl

F

Eyster, C. (1958) 59-2884

Limnol.Oceanogr., 3:455-8

Bioassay of water from a concretion-  
forming marl lake

Emission spectographic analysis of  
concretions; bioassay tests of  
the water by use of Nostoc  
muscorum & discussion on the  
formation of concretions.

GLK:tl

F

Yentsch, C.S. & 59-2882

R.F. Vaccaro (1958)

Limnol.Oceanogr., 3:443-8

Phytoplankton nitrogen in the oceans

The ratio of cellular nitrogen &  
chlorophyll has been studied in  
cultures of marine phytoplankton during  
& after recovery from nitrogen  
deficiency. This pigment:nitrogen  
relationship has been applied to  
estimate the quantity of nitrogen  
in natural populations of phyto-  
plankton.

GLK:tl

M

Hayes, F.R. & 59-2885

J.E. Phillips (1958)

Limnol.Oceanogr., 3:459-75

Lake water and sediment - IV. Radio-  
phosphorus equilibrium with mud,  
plants, and bacteria under oxidized  
and reduced conditions

Contents as per title.

GLK:tl

F

Guillard, R.R.L. & 59-2883

P.J. Wangersky (1958)

Limnol.Oceanogr., 3:449-54

The production of extracellular  
carbohydrates by some marine  
flagellates

Extracellular carbohydrate production  
during the growth of bacteria-free  
cultures of the marine flagellates  
Isochrysis galbana, Monochrysis  
lutheri, Prymnesium parvum, Dunaliella  
euchlora, Pyraminomonas sp.,  
Rhodomonas (?) sp., & Chlamydomonas sp.  
was followed by the N-ethyl carbazole  
method.

GLK:rrlg

M

Whaley, R.C. (1958) 59-2886

Limnol.Oceanogr., 3:476-7

A submersible sampling pump

Description of the sampling pump  
for sampling of water in depths 0-  
200 feet, & results of its test.

GLK:tl

MF

Posgay, J.A. & 59-2887  
K. D. Norman (1958)  
Limnol.Oceanogr., 3:478  
An observation on the spawning of the  
sea scallop, Placopecten magellanicus  
(Gmelin), on Georges Bank

Time of spawning, temperature of  
spawning ground, adhering of eggs,  
condition of gonads.

GLK:tl

M

59-2889  
(Card 2)

& review of knowledge about the  
"Mbuna" - Pseudotropheus, Labeo-  
tropheus, Melanochromis, Cyathochromis  
Petrotilapia, Cynotilapia, Labido-  
chromis, Genyochromis & Gephyrochromis

FAO:sjh

F

Gessner, F. & 59-2888  
F. Pannier (1958)  
Limnol.Oceanogr., 3:478-80  
Influence of oxygen tension on  
respiration of phytoplankton

Measurements of respiration using  
Winkler method in several tests with  
water super- & under-saturated with  
O<sub>2</sub>. Synedra, Asterionella & Anabaena  
spp. were used in the tests.

GLK:tl

F

Chuang, S.H. (1959) 59-2891  
Proc.zool.Soc.Lond., 132:283-311  
The structure and function of the  
alimentary canal in Lingula unguis (1.  
(Brachiopoda)

Anatomical study & experiments on  
ciliary currents & passage of food  
through gut, feeding & enzyme  
experiments on specimens from Johore  
Strait.

FAO:sjh

M

Fryer, G. (1959) 59-2889  
Proc.zool.Soc.Lond., 132:153-281  
The trophic interrelationships and  
ecology of some littoral communities  
of lake Nyasa with especial reference  
to the fishes and a discussion of the  
evolution of a group of rock-  
frequenting Cichlidae

Descriptions of physiography &  
habitats of the area, the zones, fauna,  
crustacean distribution, fishes of  
different zones, ecology of  
invertebrates, food webs, competition  
among fishes, productivity of the  
lake. Detailed biological observations

U.K. Ministry of Agriculture 59-2892  
Fisheries & Food (1959)  
Fish.Not., (39):16 p.  
Sea fisheries research notes, 1958

Incl. notes on research carried out  
at UK Ministry of Agriculture,  
Fisheries & Food Research Laboratories  
during 1957, under main headings:  
near waters & general; distant waters;  
shellfish.

SJH:sjh

MF

Japanese Association of 59-2893  
Agricultural Science Societies (1958)  
Tokyo, 258 p.  
The Japan science review - Biological  
sciences no. 7, 1956

Contains a list of the subjects of  
scientific papers on biology published  
in leading journals in 1956 & the  
abstracts of important papers among  
these papers. Contents are classified  
into 4 categories, namely zoology,  
botany, genetics & applied biology,  
incl. hydrobiology & fisheries.

FAO:sjh

MF

Jones, W.C. (1958) 59-2896  
Quart.J.micr.Sci., 99:263-78  
The effect of reversing the internal  
water-current on the spicule  
orientation in Leucosolenia variabilis  
and L. complicata

Experiments with excised oscular  
tubes, & mechanical hypothesis to  
explain the subsequent orientation  
of spicules developing in the walls.

:sjh

M

Allen, J.A. (1958) 59-2894  
Phil.Trans., 241B:421-84  
On the basic form and adaptations to  
habitat in the Lucinacea (Eulamelli-  
branchia)

Description of functional morphology,  
with comparative accounts of feeding,  
respiratory & cleansing currents.  
Demonstration of evolutionary  
sequences of increase in size &  
efficiency of anterior adductor &  
decrease in size & efficiency of gills,  
palps, & sorting mechanisms.

:sjh

MF

Zupanović, S. & 59-2897  
F. Grubišić (1958)  
Acta adriat., 8(12):27 p.  
Ribolovna efektivnost vuče u  
eksperimentima sa strugarima  
(Fishing effectiveness of trawl nets  
as resulting from experiments with  
wire cable bridles and with manilla  
covered bridles). En

Fishing effectiveness was examined by  
alternatively ordinary wire cable  
bridles, & bridles made of manilla  
covered wire cable. Fishing was carried  
out in a plan employing randomised  
blocks. Statistical analysis was

Caldwell, P.C. (1958) 59-2895  
J.Physiol., 142:22-62  
Studies on the internal pH of large  
muscle and nerve fibres

Investigation of internal pH of  
muscle fibres of Carcinas maenas &  
Maia squinado, of the giant axons of  
Loligo forbesi. Methods used; effect  
of immersion in saline water saturated  
with CO<sub>2</sub>.

:sjh

M

59-2897  
(Card 2)  
made of the catches.

FAO:glk

M



Naylor, M. (1958) 59-2899  
Acta adriat., 8(16):22 p.  
Some aspects of the life history and  
cytology of Stictyosiphon tortilis  
(Rupr.) Reinke. Yu

Occurrence of this plant on the shore,  
description of its developmental  
morphology & account of the cytology  
of the macroscopic generation & of the  
germling.

FAO:glk

M

Blanco, G.J. (1958) 59-2902  
Philipp.J.Fish., 4:21-7  
The stake (Patusok) method of oyster  
farming in the Dagat-Dagatan lagoon,  
Rizal province

Describes a method whereby oysters  
are reared on shells, cans, etc. which  
are hung on bamboo stakes to increase  
the growing area of the bed & to  
reduce mortality from suffocation.

FAO:wad

MF

Caces-Borja, P. (1958) 59-2900  
Philipp.J.Fish., 4:1-9  
The embryology of Diadema setosum  
(Leske)

Describes methods used in culturing an  
echinoid's eggs & larvae after  
artificial fertilization & gives an  
account of gross embryology for first  
133 hours.

FAO:wad

M

Blanco, G.J. (1958) 59-2903  
Philipp.J.Fish., 4:31-72  
Assay of the goby fry (ipon)  
fisheries of the Laoag river and its  
adjacent marine shores, Ilocos Norte  
Province

Reviews the biology of the sp. in the  
fishery, socio-economics of the  
industry, fishing gear, escapement  
from runs & conservation measures.

FAO:wad

MF

Bersamin, S.V., O.N. Gonzales 59-2901  
& J.I. Sulit (1958)  
Philipp.J.Fish., 4:13-7  
Studies on the effect of ipil-ipil  
leaf meal on animal growth

Describes feeding experiments with  
Leucaena glauca leaf meal using rats  
as experimental animals & discusses  
possibilities of its use in feeding  
Chonas, Tilapia, & other fish.

FAO:wad

F

Jorde, I. & 59-2904  
N. Klavestad (1958)  
Publ.biol.Sta., Espegrend, (23):7 p.  
Marine species of Vaucheria from the  
west coast of Norway

Description of Vaucheria piloboloides,  
V. sphaerospora & V. thuretii, their  
habitat in Norway & general  
distribution.

GLK:tl

M

Manacop, P.R. (1958) 59-2905  
Philipp.J.Fish., 4:79-101  
 A preliminary systematic study of the  
 Philippine chub mackerels, family  
 Scombridae genera Pneumatophorus and  
Rastrelliger

Contains keys to the identification  
 of genera & spp., description of P.  
 (Scomber) australasicus, P. japonicus,  
R. brachysoma, R. chrysozonus & notes  
 on their juvenile forms.

FAO:hr

M

Gonzales, O.N., S.V. Bersamin 59-2908  
 & J.I. Sulit (1958)  
Philipp.J.Fish., 4:133-9  
Tulya (Corbicula manilensis Philippi)  
paros (Soletellina elongata Lamarck)  
 and oyster as good sources of  
 available calcium

Results of experiments made with  
 albino rats & dried tulya, paros &  
Ostrea iredalei to determine the  
 amount of calcium utilized & the  
 possible role of those molluscs on  
 the human diet.

FAO:hr

M

Manacop, P.R. & 59-2906  
 S.V. Laron (1958)  
Philipp.J.Fish., 4:103-17  
 The "dug-out" trawl fishery of Manila  
 bay

A comprehensive study incl. history &  
 development of the gear, the fishermen,  
 fishing craft & gear, mode of operation  
 & an analysis of the size & nature  
 of the commercial catches.

FAO:hr

M

Blanco, G.J. (1958) 59-2909  
Philipp.J.Fish., 4:141-3  
 Notes on the infestation of kapis  
 (Placuna placenta Linnaeus) with the  
 pea crab Pinnotheres sp.

An explanation of the settling of the  
 parasite crab into the kapis, oysters  
 & other molluscs.

FAO:hr

M

Antonio, H.C. & 59-2907  
 P.R. Manacop (1958)  
Philipp.J.Fish., 4:119-31  
 A preliminary longevity test of baños  
 fry in storage

Describes a study designed to find  
 ways & means of reducing the mortality  
 of Chanos chanos fry while in storage  
 prior to transit &/or stocking in  
 ponds.

FAO:wad

MF

Buñag, D.M. (1958) 59-2910  
Philipp.J.Fish., 4:145-77  
 Spawning habits of some Philippine  
 tuna based on diameter measurements  
 of the ovarian ova

A study of the spawning behaviour of  
Neothunnus macropterus, Katsuwonus  
pelamis & Euthynnus yaito through the  
 statistical analysis of growth of the  
 ova in the ovary by measuring their  
 increasing diameters.

FAO:hr

M

Chou, J.T.Y. (1957) 59-2911  
Quart.J.micr.Sci., 98(3):291-9  
The cytoplasmic inclusions of the  
neurones of Patella vulgata

M

Dow, T.G. & 59-2914  
R.J. Menzies (1957)  
Pubbl.Staz.zool.Napoli, 30:330-6  
The pelagic isopod Idotea metallica in  
the Mediterranean

M

Darbyshire, J. (1958) 59-2912  
Quart.J.R.met.Soc., 84(359):66-9  
A preliminary investigation of long  
waves at Newlyn  
  
Account of investigations on the  
occurrence & nature of waves exceeding  
7 in. in amplitude & their association  
with passage of meteorological fronts.  
(issued as: Coll.Repr. Torrnley nat.Inst.  
Oceanogr., 6(231)).

GLK:efa

M

Bruiewicz, S.W. (1958) 59-2915  
Trud.Inst.Okeanol., 26:3-7  
(State and perspectives of  
developing investigations on the  
chemistry of sea). Ru

M

Dodd, J.M. (1957) 59-2913  
Pubbl.Staz.zool.Napoli, 29:172-86  
Artificial fertilisation, larval  
development and metamorphosis in  
Patella vulgata L. and Patella  
coerulea L.

M

Conover, R.J. (1957) 59-2916  
Ann.Mag.nat.Hist., 10(109):63-7  
Notes on the seasonal distribution  
of zooplankton in Southampton water  
with special reference to the genus  
Acartia

M



de Veen, J. (1957) 59-2917  
Visserijwereld, 16(24):17-8  
Roofbouw in de haringvisserij  
(Overfishing in herring)

M

Crisafi, P. (1957) 59-2920  
Atti Soc.pelor.Sci.fis.mat.nat., 3(3):  
261-6  
Su una recente cattura di  
Dermatochelys coriacea (L.) nelle  
acque dello stretto di Messina  
(On a recent capture of Dermatochelys  
coriacea L. in the strait of Messina)

M

Bowen, V.T. & 59-2918  
T.T. Sugihara (1957)  
Proc.nat.Acad.Sci., Wash., 43(7):576-80  
Strontium 90 in North Atlantic  
surface water

M

Balavoine, P. (1958) 59-2921  
Bull.Mus.Hist.nat., Paris, 30(3):  
300-1  
Bryozoas recueillis à la Nouvelle-  
Amsterdam (Océan Indien) par M.E.  
Aubert de la Rüe en 1953 (Bryozoas  
collected at New Amsterdam, Indian  
Ocean, by M.E. Aubert de la Rüe  
during 1953)

M

Cherbonnier, G. (1957) 59-2919  
Bull.Mus.Hist.nat., Paris, 29:485-92  
Holothuries des côtes de Sierra Leone  
(Holothurians from the coast of Sierra  
Leone)

M

Bruiewicz, S.W. (1958) 59-2922  
Trud.Inst.Okeanol., 26:243-6  
(On the standardization of the  
methods of chemical investigations  
and expression of analysis of sea  
waters). Ru

M

Demel, K. & 59-2923  
W. Piatek (1957)  
Rep.Sea Fish.Inst.Gdynia, (9):79-102  
(Cod catches in the bay of Gdansk in  
1949-1953 in the aspect of  
hydrographic and climatic factors).  
Pl En

M

Belgium, Ministère des 59-2926  
Communications, Administration  
de la Marine (1958)

Bruxelles  
Rapport annuel sur l'évolution de la  
flotte de pêche en 1957 (Yearly  
report on the evolution of the  
fishing fleet in 1957)

An inventory of the Belgian fishing  
fleet considering types of boats,  
evolution of the fleet, capital  
invested on craft & gear, size of  
crews, etc.

FAO:hr

M

Burdick, G.E. (1958) 59-2924  
N.Y.Fish Game J., 5(1):100  
Effect of pressure on the asphyxial  
oxygen level for brown trout

F

Disler, N.N. (1957) 59-2927  
Trud.Inst.Morf.Zhiv., 20:3-70  
Oncorhynchus keta Walb. Ru

M

Donahue, J.K. (1957) 59-2925  
Res.Bull., Maine, (28)  
Chromatographic identification of  
lobster egg estrogen

M

Dunn, J.S. (1958) 59-2928  
Mem.Fish.Industr.Res.Inst., Cape Town,  
(86)  
Ten years of technical progress in  
the South African fishing industry

M

Mayhew, J. (1958) 59-2929  
Proc.Iowa Acad.Sci., 65:565-70  
The fish population of a southern  
Iowa artificial lake

F

Mitani, F. (1958) 59-2932  
Jap.J.Ecol., 8(1):7-11  
Studies on the maturity and spawning  
of the yellow tail, Seriola quinque-  
radiata T. and S., found in the  
Japanese waters and their adjacent  
regions. I.

M

Mead, G.W. (1957) 59-2930  
Zoologica, N.Y., 42(2):51-61  
On the bramid fishes of the gulf  
of Mexico

M

Power, G. (1958) 59-2933  
Arctic, 11(2):86-92  
The evolution of freshwater races of  
the Atlantic salmon (Salmo salar L.)

MF

Mitani, F. (1958) 59-2931  
Jap.J.Ecol., 8(2):53-62  
Studies on the maturity and spawning  
of the yellow tail, Seriola quinque-  
radiat T. and S., found in the  
Japanese waters and their adjacent  
regions. II.

M

Neess, J.C. & 59-2934  
W.W. Bunge (1957)  
Trans.Wis.Acad.Sci.Arts Lett., 46:  
31-89  
An unpublished manuscript of E.A.  
Birge on the temperature of lake  
Mendota; Part II.

F



Gunter, G. (1957) 59-2935  
Trans.N.Amer.Wildl.Conf., (22):189-96  
Wildlife and flood control in the  
Mississippi valley

F

Gunter, G. (1958) 59-2938  
Herpetologica, 13:279-80  
Egg clutches and prehensilism in the  
slimy salamander

F

Briggs, R., G.V. Dyke 59-2936  
& G. Knowles (1958)  
Analyst, 83:304-11  
Use of the wide-bore dropping-mercury  
electrode for long-period recording  
of concentration of dissolved  
oxygen

MF

Dawson, C.E. (1958) 59-2939  
Contr.Bears Bluff Lab., (28):1-48  
A study of the biology and life  
history of the spot, Leiostomus  
xanthurus Lacepede, with special  
reference to South Carolina

M

Gunter, G. (1957) 59-2937  
System.Zool., 6(2):98-100  
Points of view - Misuse of generic  
names of shrimp (Family Penaeidae)

M

Moore, W.G. (1957) 59-2940  
Trans.Amer.micr.Soc., 76(2):159-73  
Studies on the laboratory culture of  
Anostraca

M

Helm, W.T. (1958) 59-2941  
Wis.Conserv.Bull., 23(7):1-3  
A "new" fish in Wisconsin

F

Frankenberger, L. (1957) 59-2944  
Wis.Conserv.Bull., 22(12):21-3  
Whitefish and ciscoes - forgotten fish

F

Emmelin, N. & 59-2942  
R. Fange (1958)  
Acta zool., Stockh., 39:47-52  
Comparison between biological effects  
of neurine and a salivary gland  
extract of Neptunea antiqua

M

Barnard, K.H. (1958) 59-2945  
Ann.S.Afr.Mus., 44:73-163  
Contributions to the knowledge of  
South African marine molluscs. I.  
Gastropoda: Prosobranchiata; Toxo-  
glossa

M

Gunter, G. (1957) 59-2943  
Mem.geol.Soc.Amer., 67(1):1205-10  
Marine fishes (other than cyclostomes)

M

Bassindale, R. & al. (1957) 59-2946  
J.Ecol., 45:879-900  
The ecology of the Lough Ine Rapids  
with special reference to water  
currents - VI. Effects of the rapids  
on the hydrography of the South basin

F

Mead, G.W. & 59-2947  
G.E. Maul (1958)  
Bull.Mus.comp.Zool.Harv., 119(6):  
394-417  
Taractes asper and the systematic  
relationships of the Steinegeriidae  
and Trachyberycidae

M

Millard, N.A.H. (1958) 59-2950  
Ann.S.Afr.Mus., 44:165-226  
Hydrozoa from the coasts of Natal and  
Portuguese East Africa - I.  
Calyptriblastea

M

Schwartz, F.J. (1958) 59-2948  
W.Va Conserv., June 1958, 2 p.  
Threadfin shad - A new forage fish for  
West Virginia

Comment on relevance to fisheries of  
this state of report in 1957 of  
Signalosa petenensis atchafaylae from  
Bluestone reservoir. Summer of life  
history & habitat requirements of the  
sp.

FiB:sjh

LF

Anonymous (1957) 59-2951  
Brit.J.phil.Sci., 8(29):64-5  
Population studies and scientific  
methodology

G

Wilson, M.S. (1958) 59-2949  
Trans.Amer.micr.Sci., 77(3):320-8  
North American harpacticoid copepods -  
6. New records and species of  
Bryocamptus (subgenus Arcticocamptus)  
from Alaska

M

Bassindale, R. & 59-2952  
J.H. Barrett (1957)  
Proc.Bristol Nat.Soc., 29(3):227-328  
The Dale Fort marine fauna

M



Gilmore, R.M. (1957) 59-2953  
Pacif. Discov., 10(1):22-7  
Whales aground in Cortes' sea

M

Anonymous (1957) 59-2956  
VioBin Ltd., Canada, mimeo:1-5  
The use of Cooper-tox for fish  
eradication. Cooper-tox is available  
in Canada

F

Manning, T.H. & 59-2954  
A.H. Macpherson (1958)  
Tech. Pap. arct. Inst. N. Amer., (2):1-74  
The mammals of Banks island

M

Bassindale, R. (1958) 59-2957  
Proc. Bristol Nat. Soc., 29(4):381-92  
The local barnacles

M

Lagler, K.F. (1957) 59-2955  
Biologist, 40(1-2):5-12  
Biological bases for conservation  
of aquatic food resources

MF

Moiseev, P.A. (1957) 59-2958  
Transl. Ser. Fish. Res. Bd. Can., (94):  
Some characteristics of the  
distribution of bottom and demersal  
fishes of far-eastern seas

M

Tomilin, A.G. (1957) 59-2959  
Transl.Ser.Fish.Res.Bd Can., (95):1-9  
 Adaptive types in the order cetacea  
 (The problem of an ecological  
 classification of cetacea)

M

Levanidov, V.Ia. & 59-2962  
 I.M. Levanidova (1957)  
Transl.Ser.Fish.Res.Bd Can., (102):1-6  
 The food of young Amur chum salmon  
 in fresh water

MF

Krokhin, E.M. & 59-2960  
 I.I. Kurenkov (1957)  
Transl.Ser.Fish.Res.Bd Can., (97):1-4  
 Development of commercial fish stocks  
 from lake Kronotsk

F

Birman, I.B. (1957) 59-2963  
Transl.Ser.Fish.Res.Bd Can., (103):  
 1-15  
 Qualitative characteristics of the  
 stocks and the dynamics of abundance  
 of the autumn chum salmon of the Amur  
 river

MF

Krogus, F.V. (1957) 59-2961  
Transl.Ser.Fish.Res.Bd Can., (101):1-16  
 On the dynamics of abundance of the  
 sockeye salmon (Oncorhynchus nerka  
 Walb.)

MF

Krogus, F.V. & 59-2964  
 E.M. Krokhin (1958)  
Transl.Ser.Fish.Res.Bd Can., (109):  
 1-27  
 On the production of young sockeye  
 salmon (Oncorhynchus nerka Walb.)

MF

Arasaki, S. (1957) 59-2965  
In "Collected Works on Fishery  
Science" Jubilee Publ.Prof.I.Amemiya,  
Univ.Tokyo Press, 805-18  
Studies on the breeding of the 'Nori',  
Porphyra tenera Kjellm - I. The races  
or varieties found in Ise-Mikawa bay

M

Baerends, G.P. (1958) 59-2968  
Natuurkundige Voordrachten, (35)  
Biologisch onderzoek ten behoeve van  
de haringvisserij (Biological  
investigation referring to herring  
fishery)

M

Prosser, C.L. (1957) 59-2966  
In "Species Problem", American Ass.  
for the Advancement of Science, 339-69  
The species problem from the view-  
point of a physiologist

MF

Bersamin, S.V. (1958) 59-2969  
Mich.Acad.Sci.Arts & Lett., 53:107-18  
A preliminary study of the  
nutritional ecology and food habits of  
the chubs (Leucichthys spp.) and their  
relation to the ecology of lake  
Michigan

F

Lopinot, A.C. (1958) 59-2967  
Fish.Cons.Div.Cons.Educ., Ill., 71 p.  
Illinois resource management

F

Kinne, O. (1958) 59-2970  
Physiol.Adapt.Amer.physiol.Soc., 92-106  
Adaptation to salinity variations -  
some facts and problems

M



Durchon, M. (1957) 59-2971  
Ann.Sci.nat.Zool.Biol.anim., 19(1-2):  
 49-57  
 Sur l'existence de la parthénogenèse  
 chez Nereis diversicolor O.F.Muler  
 (Annélide polychète) (On the  
 existence of parthogenesis in Nereis  
diversicolor O.F.Muler, annelid  
 polychaeta)

M

Raney, E.C. (1957) 59-2974  
Fish.Rep.cent.east.west.Mass.Lakes,  
 1951-52, Suppl.:1-15  
 Natural hybrids between 2 species  
 of pickerel (Esox) in Stearn Pond,  
 Massachusetts

F

Deevey, E.S. (1958) 59-2972  
Popul.Ahead, Univ.Minnesota, 64-86  
 The equilibrium population

G

Long, S. & 59-2975  
 M.T. Wai (1958)  
Acta zool.sinica, 10:348-68  
 (Parasitic worms from Tai Hu fishes:  
 digenetic trematodes - I. The genus  
Phyllodistomum Braun, 1899 (Gorgo-  
 deridae), with descriptions of four  
 new species). Ch En

Diagnosis, measurements of specimens,  
 host, location parasite lodges in  
 host, locality, for each of 4 new spp.  
 Text in Chinese, with full English  
 version.

FAO:glk

F

Anonymous (1958) 59-2973  
Tid.Sport Fish.Rep.B.C.Dep.Fish., (2):  
 1-3  
 A review of salmon sport catches by  
 areas

MF

Long, S. & 59-2976  
 W.C. Lee (1958)  
Acta zool.sinica, 10:369-76  
 (Parasitic worms from Tai Hu fishes:  
 digenetic trematodes - II. Opisthor-  
 chiidae and other families, with a  
 description of a new species of  
Opisthorchis). Ch En

Diagnosis, measurements of specimens,  
 host, location parasite lodges in host,  
 locality, for new sp. Text in Chinese  
 with full English version.

FAO:glk

F

<p>Ushakov, P.V. (1958) 59-2977  <u>Acta zool.sinica</u>, 10:416-9  O nakozhdenii redkogo vida mnogosh  mnogoshchetinkovogo chervia (<u>Paralacy-</u>  <u>donia paradoxa</u> Fauvel iz sem. Phyllo-  docidae) v Zheltom more (On the  detection of a rare species of  polychaete worm, <u>Paralacydonia paradoxa</u>  Fauvel, family Phyllodocidae, in the  Yellow Sea). <u>Ru</u> <u>Ch</u></p> <p>Account of the circumstances of  capture, with anatomical notes on the  specimen.  FAO:glk M</p>	<p>Kamshilov, M.M. (Ed.), (1958) 59-2980  Izd-vo Akad.Nauk SSSR, Moskva, 269 p.  Zakonomieynosti skoplenii i migratsii  promyslovykh ryb v priberezhnoi zone  Murmana i ikh sviaz' s biologicheskimi  gydrologicheskimi i gidrokhimicheskimi  processami (Laws regarding the  accumulation and migration of  commercial fishes in the coastal zone  of Murmansk and their connection with  biological, hydrological and hydro-  chemical processes)</p> <p>M</p>
<p>Moorjani, M.N. (1958) 59-2978  <u>J.sci.industr.Res.</u>, 17A:461-5  Preservation and processing of fish  in India - A review of recent work</p> <p>Reviews work carried out on spoilage,  bacteriology, canning, curing, freezing,  cold storage, drying &amp; nutritive  value of fish protein.</p> <p>:efa MF</p>	<p>Anonymous (1958) 59-2981  <u>Aust.J.Sci.</u>, 21:132-3  A.N.Z.A.A.S. Adelaide congress:  report of symposia</p> <p>Brief account of a symposium held at  the 1958 ANZAAS congress.</p> <p>GLK:glk M</p>
<p>Whitehead, P.J.P. (1958) 59-2979  <u>E.Afr.agric.J.</u>, 24(2):111-20  Indigenous river fishing methods in  Kenya</p> <p>Ill. description of fishing methods &amp;  discussions on the population dynamics  &amp; effect of irrigation schemes on the  habitat of river fishes.</p> <p>:efa F</p>	<p>Brongersma, L.D. (1958) 59-2982  <u>J.B. Wolters, Groningen</u>, 70 p.  The animal world of Netherlands New  Guinea</p> <p>Notes on taxonomy, biology, occurrence,  distribution &amp; commercial value of  crocodiles, turtles, frogs,  crustaceans &amp; marine &amp; fresh water  fishes.</p> <p>FiB:hr MF</p>

Smith, G.-H. (1958) 59-2983  
J.Wiley & Sons, Inc., New York.  
Conservation of natural resources  
(2nd ed.)

MF

Hampson, M.A. (1957) 59-2986  
Fish.Invest., Lond., 21(7):8 p.  
The laverbread industry in South Wales  
and the laverweed

A general account of the biology,  
distribution, collection & value of  
the Porphyra leucosticta & P.  
umbilicalis resources.

FAO:sjh

M

Officer, C.B. (1958) 59-2984  
McGraw-Hill Book C., New York  
Introduction to the theory of sound  
transmission with application to the  
ocean

M

Pukasab, P. (1958) 59-2987  
Hydrographic Department, Bangkok, 7 p.  
The types of tides and mean sea level  
in the gulf of Thailand

Analyses of lunar & solar principal  
constituents; nature of tides; &  
variation of mean sea level from 1940-  
1956 in the gulf of Thailand.

SJH:tl

M

Tiffany, L.H. (1958) 59-2985  
Charles C. Thomas, Springfield, Illinois  
Algae, the grass of many waters (2nd ed.)

MF

Charernphol, S. (1958) 59-2988  
Hydrographic Department, Bangkok, 8 p.  
Preliminary study of discolouration  
of sea water in the gulf of Thailand

Notes on seasonal occurrence of red  
tides in gulf of Thailand & their  
effects on marine life & fisheries.  
Notes on Trichodesmium & Noctiluca.

SJH:tl

M



Thailand. Hydrographic 59-2989  
Department (1958)  
Bangkok, 12 p.  
The hydrographic Department - Royal  
Thai navy

Organization of the department & its  
programme of work.

SJH:tl

M

Stevenson, R.E. & 59-2992  
K.O. Emery (1958)  
Occ.Pap.Allan Hancock Fdn., (20):109 p.  
Marshlands at Newport bay, California

Description of physiography of the  
area; tides, waves, temperature,  
salinity, pH, sediments & their  
deposition, flora & factors affecting  
the local distribution.

FAO:tl

MF

Penyapol, A. (1958) 59-2990  
Hydrographic Dep., Bangkok, 4 p.  
Progress of oceanographic work for  
IGY in Thailand

Notes on programme, with station  
& cross section chart for gulf of  
Thailand.

SJH:tl

M

Brinkmann, A., Jr. (1958) 59-2993  
Årb.Univ.Bergen Naturvitensk., (4):29p.  
Fish trematodes from Norwegian  
waters

Description of morphology, life  
history & comments on systematic  
positions & validity of earlier named  
spp.

FAO:tl

MF

Penyapol, A. (1958) 59-2991  
Hydrographic Dep., Bangkok, 12 p.  
Report on oceanographic surveys carried  
out in the gulf of Thailand during  
the years 1956-1957

Description of the vessels, notes on  
methods used; track & station charts  
& list of cruises.

SJH:tl

M

Brattström, H. (1958) 59-2994  
Årb.Univ.Bergen Naturvitensk., (6):10 p.  
Branchiocerianthus norvegicus n. sp.  
from the Hardangerfjord, Western  
Norway

Taxonomic description with notes on  
other spp. of Branchiocerianthus  
& their distribution.

FAO:tl

M

Hamuro, C. (1957) 59-2995  
Tech.Rep.Fish.Boat, (10):19-40  
(Analysis of two-boat trawling net by  
automatic net height meter by measuring  
simultaneously two points of the net).  
Ni En

Analysis of data from experiments with  
an automatic net height meter  
measuring simultaneously 2 points on  
a 2-boat trawling net.

FAO:glk

M

Hashimoto, T. & 59-2998  
M. Nishimura (1957)  
Tech.Rep.Fish.Boat, (10):87-94  
(Effect of bubble layer on the  
attenuation of ultrasonic-wave).  
Ni En

Results of the measurement in an  
experimental tank of attenuation  
of ultrasonic wave by sea bubbles.

FAO:glk

M

Hashimoto, T., M. Nishimura 59-2996  
& Y. Maniwa (1957)  
Tech.Rep.Fish.Boat, (10):69-78  
(Noise of yellowtail when it comes into  
the set net - Relation between the  
noise and amount of catch - Relation  
between the intensity of noise and  
weather). Ni En

Report on the relation between weather  
& the intensity of noise, between noise  
of yellowtail & background noise of the  
sea at Odawara, & also on the noise at  
the coast & offshore from Tokyo Bay.

FAO:glk

M

Hashimoto, T., Y. Maniwa 59-2999  
& M. Nishimura (1957)  
Tech.Rep.Fish.Boat, (10):95-100  
(Study on simplified record type  
SONAR and its field test). Ni En

Description of simplified recorder  
type sonar & report of experiments  
in the use of its on a buoy, a mole  
& a fish shoal.

FAO:glk

M

Hashimoto, T., Y. Maniwa 59-2997  
& M. Nishimura (1957)  
Tech.Rep.Fish.Boat, (10):79-85  
(Experiment on difference between 24 kc  
fish-finder and 200 kc fish-finder).  
Ni En

Description of the features of the  
apparatus & report of results obtained  
in detection of mid water & ground fish.

FAO:glk

M

Postma, H. (1959) 59-3000  
E.J. Brill, Leiden, 35 p.  
The SNELLIUS expedition in the easte  
eastern part of the East Indian  
archipelago 1929-1930. IV. Chemical  
results

Contains track & station chart &  
tabulated data by stations on O<sub>2</sub>,  
pH, alkalinity & phosphates.

FAO:t1

M

Vacelet, J. & C. Lévi (1958) 59-3001  
C.R.Acad.Sci., Paris, 246:318-20  
 Un cas de survivance, en Méditerranée, du groupe d'éponges fossiles des Pharétronides (A case of survival, in the Mediterranean, of the group of fossile sponges, Pharetronides)

Ill. description of Petrobiona massiliana n. sp., Murrayonidae.

FAO:sjh

M

Bocquet-Védrine, J. (1958) 59-3004  
C.R.Acad.Sci., Paris, 246:484-6  
 Sur l'organisation de Chthamalophilus delagei J. Bocquet (Crustacé rhizocéphale) (On the organization of Chthamalophilus delagei J. Bocquet, crustacea, rhizocephala)

External sac of this parasite on Chthamalus stellatus consists of gonades, mesenteric canal & incubation cavity.

FAO:sjh

M

Pasteur, C. (1958) 59-3002  
C.R.Acad.Sci., Paris, 246:320-2  
 Influence de l'ablation de l'organe X sur le comportement chromatique de Leander serratus (Pennant) (Influence of extract of the X-organ on the chromatic reactions of Leander serratus Pennant)

Reports experiments showing effect on speed of expansion of chromatophore pigments.

FAO:sjh

M

Pigeault, N. (1958) 59-3005  
C.R.Acad.Sci., Paris, 246:487-9  
 L'organe de Bellonci et le comportement chromatique de Sphaeroma serratum Fab. (The organ of Bellonci and the chromatic reactions of Sphaeroma serratum Fab.)

Experiments show extract affects the black chromatophores.

FAO:sjh

M

Dangeard, P. (1958) 59-3003  
C.R.Acad.Sci., Paris, 246:347-51  
 La reproduction et le développement de l'Enteromorpha marginata Ag. et le rattachement de cette espèce au genre Blidingia (Reproduction and development of Enteromorpha marginata Ag., and the inclusion of this species to the genus Blidingia)

Study of this alga from the Basque coast & Arcachon basin. Proposal of the new name Blidingia marginata.

FAO:sjh

M

Durchon, M. (1958) 59-3006  
C.R.Acad.Sci., Paris, 246:982-4  
 Sur la formation du régénérat au cours de la stolonisation chez Trypanosyllis zebra Grube (Annélide polychète) (On the regeneration during stolonization in Trypanosyllis zebra Grube, Polychaete annelid)

Histological study of development. Comparison with Syllis vittata.

FAO:sjh

M



Delavault, R. & 59-3007  
 G. Cognetti (1958)  
C.R.Acad.Sci., Paris, 246:984-6  
 L'apparition de granules jaunes dans  
 les gonades d'Echinaster sepositus  
 Gray de la Méditerranée (Appearance  
 of yellow granules in the gonads of  
Echinaster sepositus Gray from the  
 Mediterranean)

Histological study confirms frequency  
 of this phenomenon in Echinoderms.

FAO:sjh

M

Jónsson, S. (1959) 59-3010  
C.R.Acad.Sci., Paris, 248:1565-7  
 Le cycle de développement du  
Spongomorpha lanosa (Roth.) Kütz.  
 et la nouvelle famille des Acrosi-  
 phoniacées (The life cycle of  
Spongomorpha lanosa (Roth.) Kütz. and  
 the new family of Acrosiphoniaceae)

Describes heteromorphic alteration  
 of this with Chlorochytrium inclusum  
 Kjellm; new family contains Urospora,  
Spongomorpha & Acrosiphonia.

FAO:sjh

M

Leloup-Hatey, J. (1958) 59-3008  
C.R.Acad.Sci., Paris, 246:1088-91  
 Influence de l'agitation motrice sur la  
 teneur du plasma en 17-hydroxycorti-  
 costéroïdes d'un Téléostéen: la carpe  
 (Cyprinus carpio L.) (Influence of  
 the motary movement on the plasma  
 uptake of 17-hydroxycorticosteroids  
 by a teleost: the carp)

Experiments on the anterior inter-  
 renal secretions.

FAO:sjh

F

Hickling, C.F. (1959) 59-3011  
Nature, Lond., 183:287-9  
 The fish culture research station,  
 Malacca

Describes the new station at Batu  
 Berendam, Malaya, which opened in 1957  
 & is intended to serve all tropical  
 British Commonwealth territories;  
 some experiments are described.

GLK:wad

F

Demeusy, N. (1958) 59-3009  
C.R.Acad.Sci., Paris, 246:1104-7  
 Influence de l'ablation des pédoncules  
 oculaires sur la glande androgène de  
Carcinus maenas L. (Influence of  
 extract of ocular peduncles on the  
 androgenous gland of Carcinus maenas L.)

Reports experiments on sexuality of  
 this sp.; comparison with  
Pachygrapsus.

FAO:sjh

M

Ray, C. & 59-3012  
 E. Ciampi (1958):  
Nicholas Kaye, Ltd., London, 338 p.  
 The underwater guide to marine life

M

Kisch, B.S. (1959) 59-3013  
Nature, Lond., 183:341  
Balanus tulipiformis Ellis on the  
Atlantic coast of France

Records collections establishing the  
presence of this barnacle on the south-  
west coast for at least 25 years.

GLK:wad

M

Kusa, M. & 59-3016  
T. Wada (1959).  
Nature, Lond., 183:410

X-ray diffraction patterns from the  
egg membrane of the egg of the brook  
trout

Describes comparisons between  
unfertilized & "activated" - water-  
hardened - eggs of Salvelinus  
fontinalis.

GLK:wad

F

Martin, D.L. (1959) 59-3014  
Nature, Lond., 183:370  
Self-regulation in living systems

Report of a symposium on self-  
regulation in living systems; organized  
by Dr. D.K.C. McDonald; held at  
laboratories of National Research  
Council of Canada, Oct. 20, 1958; incl.  
discussion by M. Dunbar of ecological  
systems.

GLK:sjh

G

Schaefer, M.B., Y.M.M. Bishop 59-3017  
& G.V. Howard (1958)  
Bull.interam.Trop.Tuna Comm., 3(2):  
132 p.

Some aspects of upwelling in the gulf  
of Panama. En Es

Discussion of physical & biological  
data 1954-56, & examination of long-  
terms records of physical phenomena  
with regard to average monthly  
variations, year to year variations,  
& the existence of cycles & trends.

HR:glk

M

Knauss, J.A. & 59-3015  
R. Pepin (1959)  
Nature, Lond., 183:380  
Measurements of the Pacific equatorial  
countercurrent

Describes direct current measurements  
& temperature, records made at 7°52'N.,  
107°30'W.

GLK:wad

M

Solem, A. (1958) 59-3018  
Fieldiana, Zool., 39(20):213-26  
Marine molluscs from Bougainville and  
Florida, Solomon islands

M

Woods, L.P. (1958) 59-3019  
Fieldiana, Zool., 39(22):249-52  
 A new genus and species of fish from  
 the gulf of Mexico (Family Emmelich-  
 thyidae)

M

Charnock, H. (1959) 59-3022  
Nature, Lond., 183:657-9  
 Turbidity currents

A review of a discussion on the  
 subject held at the Royal Astronomical  
 Society, 28 Nov., 1958.

GLK:wad

MF

Grétillet, S. (1959) 59-3020  
C.R.Acad.Sci., Paris, 248:1873-5  
Recherches sur le cycle évolutif de  
Carmyerius dollfusi Golvan, Chabaud &  
 Grétillet, 1957 (Trematoda, Gastrothy-  
 lacidae) à Madagascar (Research on  
 the life cycle of Carmyerius dollfusi  
 Golvan, Chabaud & Grétillet, Trematoda  
 Gastrothylacidae, in Madagascar)

Describes the larval forms of C. doll-  
fusi of which Bulinus mariei is the  
 intermediate host. Zebus feeding in  
 rice fields are infested by the  
 metacercaria of the sp.

FAO:hr

F

Lal, M.B. (1959) 59-3023  
Nature, Lond., 183:697-8  
 A new leech-infesting Cercaria from  
 Duddingston Loch, Edinburgh

Description of Cercaria valvatae  
 n. sp. found in the snail Valvata  
piscinalis & which forms a tetracotyle  
 in the leech Helobdella stagnalis.

GLK:wad

F

Anonymous (1959) 59-3021  
Nature, Lond., 183:649  
 New oceanographical ship for Woods  
 Hole

Announces the addition of the 92-ft  
 auxiliary ketch ARIES to the fleet of  
 the Woods Hole Oceanographic  
 Institution.

GLK:wad

M

Zenkovich, V. (1959) 59-3024  
Methuen & Co., Ltd., London  
 The sea bed

M



Millot, J. & 59-3025  
 J. Anthony (1958)  
Centre nat.de la Rech.sci., Paris, 122p.  
Anatomie de la Latimeria chalumnae - I.  
Squelette, muscles et formations de  
soutien (Anatomy of the Latimeria  
chalumnae - I.

Detailed account of anatomy &  
 evolutionary pattern of Latimeria  
chalumnae.

:efa

M

Yapp, W.B. & 59-3028  
 D.J. Watson (Ed.) (1958)  
London, 128 p.  
The biological productivity of  
Britain: symposia of the Institute of  
Biology

M

Trewavas, E. (1959) 59-3026  
Nature, Lond., 183:566  
Anatomy of a coelacanth  
 Review of 59-3025.

GLK:wad

M

OEEC European 59-3029  
 Productivity Agency (1957)  
Paris, 302 p.  
Fish marketing in Western Europe  
since 1950

Brings up-to-date the OEEC 1951 study  
 of this question & deals with primary  
 production, general trends in fish  
 marketing, organizational setting,  
 prices, consumption, & quality; each  
 country is treated separately, with  
 regard to these aspects in the 2nd  
 part of the report.

GLK:glk

M

Naylor, M. (1959) 59-3027  
Nature, Lond., 183:627  
Feulgen reaction in the fucales

Describes its successful application  
 for cytological investigation within  
 most British members of the Fucales.

GLK:wad

M

Postma, H. (1958) 59-3030  
E.J. Brill, Leiden, 116 p.  
The SNELLIUS expedition in the eastern  
part of the East Indian archipelago  
1929-1930 - Vol. II. Oceanographic  
results. Part 8. Chemical results and  
a survey of water masses and currents

Description of methods used;  
 distribution of T & S; water movement,  
 distribution of O<sub>2</sub>, pH & notes on  
 phosphates; maps & profiles of the  
 distribution of T, S, pH & O<sub>2</sub> in the  
 eastern part of the East Indian  
 archipelago during 1929-30.

FAO:tl

M

Bates, D.R. (Ed.) (1958) 59-3031  
Basic Books, Inc., New York, 324 p.  
The earth and its atmosphere

Contains besides other geophysical &  
meteorological articles an article  
"The Oceans" by G.E.R. Deacon &  
selected bibliography.

:tl

M

Anonymous (1959) 59-3034  
France pêche, 4(26):39-40  
Fiche technique du lieu jaune et de la  
morue (Fishery card on pollack and  
cod)

Detachable cards, ill.; giving biology,  
habitat, fishing, catch, commercial  
use of pollack & cod.

FAO:glk

M

Poulsen, E.M. (1959) 59-3032  
ICNAF Serial No. 599, 3 p.  
Annual meeting - June 1959. Report on  
the 46th statutory meeting of ICES  
in Charlottenlund, Denmark

Contents as per title.

FiB:sjh

MF

Western Australia 59-3035  
Fisheries Department (1959)  
Monthly Service Bulletin, 8(1):1-18

Notes on staff & departmental  
activities; extracts from various  
trade & technical journals.

GLK:glk

MF

ICNAF (1959) 59-3033  
Serial No. 598, 1 p.  
Annual meeting - June 1959. Panel  
memberships as at 1 June 1959

Contents as per title.

FiB:sjh

M

Das, S.M. & 59-3036  
V.K. Srivastava (1957)  
Zool.Zh., 36(3):328  
(Quantitative studies on freshwater  
plankton of a fish-lake in India).  
Ru

F

Felzenbaum, A.I., L.M. Fomin 59-3037  
& V.B. Stokmann (1957)  
Trud.Inst.Okeanol., 25:153-70  
(The method of calculation of deep-sea  
currents by means of using the  
surface current and the gradient of the  
atmospheric pressure). Ru

M

Frankcom, C.E.N. (1957) 59-3040  
Met.Mag., Lond., 86(1024):304-6  
British ocean weather ships - 10th  
anniversary

M

Fay, F.H. (1957) 59-3038  
Trans.22nd N.Amer.Wildl.Conf., 431-45  
History and present status of the  
Pacific walrus population

M

Fryer, G. (1957) 59-3041  
Arch.Hydrobiol.(Plankt.), 53(2):223-39  
Freeliving freshwater crustacea from  
lake Nyasa and adjoining waters - II.  
Cladocera and Conchostraca

F

Ewing, J.I. & al. (1957) 59-3039  
Bull.geol.Soc.Amer., 68:897-912  
Geophysical investigations in the  
eastern Caribbean, Trinidad shelf,  
Tobago Trough, Barbados ridge, Atlantic  
ocean

M

Eichhorn, R. (1957) 59-3042  
Arch.Hydrobiol.(Plankt.), Suppl.24(2):  
186-246  
Zur Populationsdynamik der calanoiden  
Copepoden in Titisee und Feldsee  
(On the population dynamics of  
calanoid copepods in Titisee and  
Feldsee)

F



Fesolowicz, W. (1957) 59-3043  
Rep.Sea Fish.Inst.Gdynia, (9):151-73  
(Investigations carried out on the  
stock of Pomerania bay spring spawning  
herring in the years 1950-1954).  
Pl En

M

Filatova, Z.A. (1957) 59-3046  
Trud.Inst.Okeanol., 23:297-302  
(Some new molluscs of family  
Astartidae (Bivalvia) from the Far  
Eastern seas). Ru

M

Filuk, J. (1957) 59-3044  
Rep.Sea Fish.Inst.Gdynia, (9):221-46  
(Results of investigations performed  
on a stock of bream from the Firth  
of Vistula in 1951-1952). Pl En

F

Forney, J.L. (1957) 59-3047  
N.Y.Fish Game J., 4(2):150-94  
Bait fish production in New York  
ponds

F

Fomin, L.M. (1957) 59-3045  
Trud.Inst.Okeanol., 25:118-33  
(About the accuracy of dynamical  
method of the calculation of the sea-  
currents). Ru

M

Forney, J.L. (1957) 59-3048  
N.Y.Fish Game J., 4(2):203-12  
Chemical characteristics of New York  
farm ponds

F

Fortunatova, K.R. (1957) 59-3049  
Zool.Zh., 36(4):575  
(Some data on the effect of the  
predators upon the size of fish  
population). Ru

MF

Fukuoka, J. (1957) 59-3052  
Oceanogr.Mag., 9(1):95-106  
On the variation of oceanic  
conditions in the sea adjacent to  
Japan

M

Fryer, G. (1957) 59-3050  
Arch.Hydrobiol.(Plankt.), 53(1):62-86  
Freeliving freshwater crustacea from  
lake Nyasa and adjoining waters - I.  
Copepoda

F

Emanuel, C.F. (1957) 59-3053  
Z.vergl.Physiol., 39:483-91  
The composition of Octopus renal  
fluid - III. The isolation and  
chemical properties of dicyemin

M

Furukawa, A. & 59-3051  
M. Hisaoka (1957)  
Bull.Nakai reg.Fish.Lab., (10):1-19  
(Biological study on shallow water  
production - III. On the basket  
culture of 'Asari' Venerupis semi-  
decussata). Ni En

M

Emanuel, C.F. (1957) 59-3054  
Z.vergl.Physiol., 39:477-82  
The composition of Octopus renal  
fluid - II. A chromatographic  
examination of the organic constituents

M

Drisko, R.W. & H. Hochman (1957) 59-3055  
Biol.Bull., Woods Hole, 112:325-9  
 Amino acid content of marine borers

Account of investigations to determine amino acid content of Teredo diegensis, Bankia setacea & Limnoria spp., with list of determined amino acids.

FAO:efa

M

Ebbecke, U. (1957) 59-3058  
Pubbl.Staz.zool.Napoli, 30(1):149-61  
 Reflexuntersuchungen an Coelenteraten  
 (Investigations on the reflexes of coelenterates)

M

Beedham, G.E. (1958) 59-3056  
Quart.J.micr.Sci., 99(3):341-57  
 Observations on the non-calcareous component of the shell of the Lamellibranchia

MF

Elvin, R. (1957) 59-3059  
Fischereiwelt, 9(11):98-9  
 Die Fischerei Norwegens (Fisheries in Norway)

M

Ernst-Schwarzenbach, M. (1957) 59-3057  
Pubbl.Staz.zool.Napoli, 29:347-88  
 Zur Kenntnis der Fortpflanzungsmodi der Braunalge Halopteris filicina (Gratel) Kütz (To the knowledge of the reproduction pattern in the brown algae Halopteris filicina (Gratel.) Kütz)

M

Elwertowski, J. (1957) 59-3060  
Rep.Sea Fish.Inst.Gdynia, (9):175-219  
 (Biological characteristic of Polish sprat catches in the southern Baltic in 1950-1954). Pl En

M



Cherbonnier, G. (1957) 59-3061  
Bull.Mus.Hist.nat., Paris, 29(2):163-71  
 Ophiures rares ou nouvelles des côtes  
 de Sierra Leone (Rare or new  
 ophiurans from the Sierra Leone coast)

M

Bauchot, M.-L. & 59-3064  
 J.M. Bassot (1958)  
Bull.Mus.Hist.nat., Paris, 30(3):  
 258-61  
 Sur Heteroconger longissimus Gunther  
 (Téléostéen anguilliforme) et  
 quelques aspects de sa biologie  
 (On Heteroconger longissimus Gunther,  
 eel-like teleost, and some aspects  
 of its biology)

M

Beadle, L.C. (1958) 59-3062  
J.exp.Biol., 35:556-66  
 Measurement of dissolved oxygen in  
 swamp waters. Further modification  
 of the Winkler method

F

Chaudonneret, J. (1957) 59-3065  
Ann.Sci.nat.Zool.Biol.anim., 19(3):  
 225-31  
 Remarques sur le système nerveux  
 des derniers segments thoraciques de  
 la Squille (Crustacé stomatopode)  
 (Notes on the nervous system of the  
 last thorax segment of the squill,  
 stomatopod crustacean)

M

Bien, G.S., D.E. Contois 59-3063  
 & W.H. Thomas (1958)  
Geochim. & cosmochim.Acta, 14(1-2):  
 35-54  
 The removal of soluble silica from  
 fresh water entering the sea

F

Cognetti, G. (1957) 59-3066  
Pubbl.Staz.zool.Napoli, 30(1):1-100  
 I sillidi del golfo di Napoli  
 (The syllids from the gulf of Naples)

M

Cotronei, G. & 59-3067  
E. Urbani (1957)  
Pubbl.Staz.zool.Napoli, 29:15-21  
Ricerche sull'ooite di Antedon rosacea  
Lamarck (Investigations on the  
oözytè of Antedon rosacea Lamarck)

M

Burgoon, D.W. (1958) 59-3070  
World Fish., 7(10):63-4  
Commercial fishing in the U.S.A. with  
fish pump system

M

Davies, R.L. (1957) 59-3068  
Lab.Pract., 6(7):405-9  
Design of research laboratories

G

Anonymous (1958) 59-3071  
Fiskets Gang, (40):  
Stortrålerne fiske i 1957  
(Fishery of the big trawlers in 1957)

M

Barracclough, W.E. & 59-3069  
W.W. Johnson (1958)  
World Fish., 7(3):44  
New type of headline rope used in  
Canadian midwater trawls

M

Arora, H.L. & 59-3072  
R.W. Sperry (1957)  
J.Embryol.exp.Morph., 5(3):256-63  
Myotypic respecification of  
regenerated nerve-fibres in cichlid  
fishes

F

Davies, J.L. (1958) 59-3073

Ecology, 39(1):97-113

Pleistocene geography and the  
distribution of northern pinnipeds

Discussions on the present day  
distribution & differentiation of  
Odobenidae, Phocinae & Cystophorinae;  
in regard to periodic expansions &  
contractions of marine & glacier ice  
occurred during Pleistocene.

GLK:efa

M

Triis, K. (1957)

59-3076

Fiskets Gang, (19):249-53

Fisket ved Vest-Grønland 1956-  
(Fishery by West Greenland 1956)

M

Becking, L.G.M. Baas, A.D. 59-3074

Haldane & D. Izard (1958)

Nature, Lond., 182L645-7

Perchlorate, an important constituent  
of sea water

Discusses qualitative analytical  
methods of perchlorates, with notes on  
occurrence in nature.

GLK:efa

MF

Dragesund, O. &

59-3077

R. Ljøen (1957)

Fiskets Gang, (46):560-5

Småsild- og feitsildtokt med G.O.SARS  
i Norskehavet og Barentshavet fra 9.  
juli til 31. august 1957 (Small  
herring and fat herring cruise with  
G.O. SARS to the Norwegian and  
Barents Sea)

M

Dodwell, P.C. (1957)

59-3075

Nature, Lond., 179:1088

Shape discrimination in the octopus  
and the rat

A critical review of 571568.

GLK:efa

M

Chin, E. &

59-3078

D.M. Allen (1957)

Tex.J.Sci., 9(3):270-8

Toxicity of an insecticide to two  
species of shrimp, Penaeus aztecus  
and Penaeus setiferus

M



Ochiai, A. (1957) 59-3079  
Mem. Coll. Agric. Kyoto (Fish. Ser.), (76):  
 29-32  
 A preliminary report on the fin organ  
 of a soleoid fish, Pardachirus  
pavoninus (Lacépède)

M

Arena, P. & 59-3082  
 A. Bolognari (1957)  
Atti Soc. pelor. Sci. fis. mat. nat., 3(3):  
 243-51  
 Il corpo glomerulare del genere  
Engraulis (The glomerul body of  
 the genus Engraulis)

M

de Puytorac, P. (1957) 59-3080  
Arch. Zool. exp. gén., 94(2):89-120  
 Nouvelles données sur les ciliés  
 Hoplitophrydae (New data on the  
 ciliates Hoplitophrydae)

M

Deelder, C.L. (1958) 59-3083  
Visserijnieuws, 10(10):154-5  
 Resultaten van de merkproeven met  
 schieraal in 1956 en 1957 (Results  
 of marking experiments with eels in  
 1956 and 1957)

MF

Detlaff, T.A. (1957) 59-3081  
J. gen. Biol., Moscow, 18(1):16  
 (Role of calcium ions in the  
 activation processes taking place  
 during fertilization and parthenogenesis  
 in certain Acipenseridae). Ru

MF

Dollfus, R.Ph., A.-G. Chabaud 59-3084  
 & Y.-J. Golvan (1957)  
Ann. Parasit. hum. comp., 32:28-40  
 Helminthes de la région de Banyuls - V.  
 Nouveau distome Aphalloides coelomicola  
 n. gen., n. sp. de la cavité générale  
 d'un Gobius d'eau saumâtre  
 (Helminths from the Banyuls region - V.  
 New distome Aphalloides coelomicola  
 n. gen., n. sp. from the general  
 cavity of a Gobius in brackish water)

M

Donovan, B.T. & 59-3085  
G.W. Harris (1957)  
Annu.Rev.Physiol., 19:439-66  
Pituitary and adrenal glands

G

Polianskii, Iu.I. (Ed.)(1958) 59-3088  
Leningrad, Izd.Leningradskogo Univ.,  
362 p.  
Osnoviye problemy parazitologii ryb  
(Basic problems of fish parasitology)

MF

de Vos, A.P.C. (1957) 59-3086  
Arch.Zool.exp.gén., 95(1):  
Liste annotée des Ostracodes marins des  
environs de Roscoff (Annotated list  
of marine ostracodes from near Roscoff)

M

Baker, J. (1957) 59-3089  
Sanitarian, Lond., 66(3):186-8  
Tapeworm cysts in fish

F

Devillers, C., J. Colas & 59-3087  
L. Richard (1957)  
J.Embryol.exp.Morph., 5(3):264-73  
Différenciation in vitro de blastoderms  
de truite (Salmo irideus) dépourvus de  
couche enveloppante (The  
differentiation in vitro of blastoderms  
in trout, Salmo irideus, without the  
covering membrane)

MF

De Deken-Grenson, M. (1957) 59-3090  
Biochem.J., 66(2):26  
Selective modification of the  
differential growth rate of the  
chloroplasts in Euglena as induced by  
several factors

F

Costa, R.L. & . . . . . 59-3091

L.R. Molins (1957)

Bol.Inst.esp.Oceanogr., (84)

Determinacion colorimetrica del plomo en el mejillon (Mytilus edulis) y en el agua de mar de la Ria de Vigo (Colorimetric determination of lead in the mussel, Mytilus edulis, and in the sea water of the Ria de Vigo)

M

Finn, D.B. (1958)

Proc.nutr.Soc., 17(2):121-7

The fish supplies of the world

59-3094

MF

Figueira, A.J.G. (1957) . . . . . 59-3092

Bol.Mus.Funchal, (10):22-51

Madeiran decapod crustaceans in the collection of the Museu Municipal do Funchal - I. On some interesting deep-sea prawns of the families Pasiphaeidae, Oplophoridae and Pandalidae

M

Anonymous (1958) . . . . . 59-3095

Trav.Cent.Rech.Etud.océanogr., 3(1):51-68

Observations océanographiques des navires stationnaires météorologiques (Oceanographic observations of the meteorological guardships)

M

Dragomirov, I.I. (1957) . . . . . 59-3093

Trud.Inst.Morf.Zhiv., (20):187-231

(Larval development of the Volga-Caspian sturgeon A. guldensiedti Brandt).  
Ru

MF

Anonymous (1958)

59-3096

Bull.Navires sél., (20)

Une intéressante observation de la température de la mer (An interesting observation on sea temperature)

M



Caloi, P. & 59-3097  
 F. Peronaci (1958)  
Arch.Oceanogr.Limnol., Venezia, 11:  
 143-60

Oscillazioni libere e forzate del  
 lago di Bracciano (Free and  
 forced oscillations of the lake  
 Bracciano). En

Results of observations over 10 year  
 period & discussion of the causes of  
 stationary oscillations in the lake.

FAO:glk

F

Tortonese, E. (1958) 59-3100  
Arch.Oceanogr.Limnol., Venezia, 11:  
 167-210

Bionomia marina della regione  
 costiera fra Punta della Chiappa e  
 Portofino (Riviera Ligure di Levante)  
 (Sea-bionomy of the shore between  
 Punta della Chiappa and Portofino,  
 Riviera Ligure di Levante).

En Fr

Geology of the shore & of the bottom  
 down to 50 meters; description of the  
 biota in different parts of the  
 littoral.

FAO:glk

M

Rossi, L. (1958) 59-3098  
Arch.Oceanogr.Limnol., Venezia, 11:  
 161-5

Osservazioni sul bentos coralligeno  
 dei dintorni di Catania  
 (Observations upon the coralligenous  
 benthos in the neighbourhood of  
 Catania). En

Observations along the submerged rocks  
 near Catania, Acireale & Acitrezza,  
 confined to the coralligenous biotope,  
 from -10 to -40 m. 8 spp. of Porifera,  
 12 of Coelenterates, 1 of Bryozoa, 1  
 of Echinodermata, & 1 of Tunicata are

D'Ancona, U. & 59-3101  
 M. Picotti (1958)  
Arch.Oceanogr.Limnol., Venezia, 11:  
 211-25

Crociera talassografica adriatica  
 1955 - I. Relazione generale  
 (Adriatic thalassographic cruise  
 1955 - I. General report). En

A general report on the objects of  
 the thalassographic cruise in the  
 Adriatic sea in 1955, & on the  
 procedure followed; together with a  
 summary of present knowledge on the  
 subject matter of the cruise. A list

59-3098  
 (Card 2)  
 firstly reported for the waters of  
 Sicily.

FAO:lr

M

59-3101  
 (Card 2)  
 of the hydrobiological stations  
 employed is provided together with a  
 comprehensive bibliography.

FAO:ud

M

Jerlov, N.G. (1958) 59-3103  
Arch.Oceanogr.Limnol., Venezia, 11:  
 227-50  
 Adriatic thalassographic cruise 1955 -  
 II. Distribution of suspended  
 material in the Adriatic sea. It  
 Description of apparatus, tabulation  
 of observations, measurement of  
 freshwater.

FAO:glk

M

Westenberg, J. (1958) 59-3106  
Arch.Oceanogr.Limnol., Venezia, 11:  
 265-73  
 Teoria delle popolazioni e condotta  
 della pesca (Theory of  
 populations and fishery management).  
 En  
 Review of theoretical developments  
 concerning the food relations in  
 populations systems & their bearing  
 to the problem of overfishing.

FAO:glk

MF

Battaglia, B. (1958) 59-3104  
Arch.Oceanogr.Limnol., Venezia, 11:  
 251-63  
 Modificazioni della vitalità in  
 alcune forme di Tisbe reticulata  
 (Copepoda, Harpacticoida), in  
 rapporto con cambiamenti di salinità e  
 e temperatura (Modifications of  
 the viability of some forms of Tisbe  
reticulata, Copepoda Harpacticoida,  
 under different salinities and  
 temperatures). En  
 The influence of salinity &  
 temperature on the viability of some

U.S. Navy Hydrographic 59-3107  
 Office (1957)  
Washington  
 Pilot chart of the North Atlantic  
 ocean, November 1957

M

59-3104  
 (Card 2)  
 forms of Tisbe reticulata Bocquet has  
 been studied.

FAO:bb

M

Japan, Maritime 59-3108  
 Safety Board (1957)  
Tokyo  
 Burma sea pilot, 1957

M

Norway. 59-3109

Fiskeridirektøren (1958)  
Aarsberetn.Norg.Fisk., (8):28 p.  
Fiskeri-undervisningen 1957-1958  
(Fisheries education 1957-1958)

Review of courses, participants &  
examinations in various fisheries  
schools & training centers in Norway  
1957-58.

FAO:tl

M

Haupt, W. (1957) 59-3112

Naturw.Rdsch., 10:388  
Die Kanalisation des Maracaibo-Sees  
(The canalization of the Maracaibo  
lake)

MF

Japan. Maritime Safety 59-3110  
Board (1957)

Tokyo  
Hawaiian islands pilot, 1957

M

Norway. Hydrographic 59-3113  
Office (1957)

Oslo  
Den Norske Los, fra Statt til Folla,  
1957 (The Norwegian pilot, from  
Statt to Folla)

M

Japan. Maritime Safety 59-3111  
Board (1957)

Tokyo  
Malacca Strait pilot, 1957

M

U.S. Nautical Almanac 59-3114  
Office (1957)

Washington  
The American ephemeris and nautical  
almanac for the year 1959

M



U.K. Hydrographic Department (1957) 59-3115  
London  
Catalogue of admiralty charts and other hydrographic publications

M

U.S. National Science Foundation (1957) 59-3118  
Washington  
A bibliography for the International Geophysical Year

G

Anonymous (1957) 59-3116  
Jber.dtsch.Fisch., 1956:226  
Seefischerei-Literatur 1956  
(Literature on sea fisheries, 1956)

M

Anonymous (1959) 59-3119  
FiskBlad., 50:155  
Danmarks fiskeri- og havundersøgelser  
(Danish fisheries and marine investigations)

Review of investigations during 1958,  
with notes on principal results.

FAO:t1

MF

Anonymous (1957) 59-3117  
Rep.Comm.tid.Hydraul.U.S.Army, (2) Suppl.  
Bibliography on tidal hydraulics,  
supplementary material compiled from  
May 1955 to May 1957

M

Savage, R.P. (1957) 59-3120  
Bull.Beach Eros.Bd, 11(1):  
Model tests of wave run-up for  
hurricane protection project

M

Timme, A.R. (1957) 59-3121  
Ingenieur-Arch., 25(3):205  
Über die Geschwindigkeitsverteilung  
in Wirbeln (On the speed  
distribution in whirls)

M

Popov, B.A. (1957) 59-3124  
Houille blanche, (3):468  
La reproduction sur modèle des  
phénomènes de l'action des vagues sur  
des particules solides fines  
(A model reproduction on the wave-  
action phenomena of fine solid  
particles)

M

Laurson, E.M. (1957) 59-3122  
Washington  
An investigation of the total  
sediment load

M

Oldevig, H. (1959) 59-3125  
Göteborgs VetenskSamh. Handl., 8(2):  
132 p.

Arctic, subarctic and Scandinavian  
amphipods in the collections of the  
Swedish Natural History Museum in  
Stockholm

Taxonomic description of spp., with  
notes on the distribution.

FAO:tl

MF

Griesseier, H. & 59-3123  
K. Vollbrecht (1957)  
Mitt. Hannoversch. VersAnst. Grundbau, 11:  
234  
Zur Problematik der modellmässigen  
Darstellung litoraler Prozesse  
(On the problem of a model  
representation of littoral processes)

M

Saville, Th., Jr., 59-3126  
J.M. Caldwell & H.B. Simmons (1957)  
Tech. Memor. U.S. Army Eros. Bd., (94):  
Preliminary report: laboratory study  
of the effect of an uncontrolled inlet  
on the adjacent beaches

M

Tickner, E.G. (1957) 59-3127  
Tech.Memor.U.S.Army Eros.Bd, (95):  
Effects of bottom roughness on wind  
tide in shallow water

M

Anonymous (1957) 59-3130  
Arctic, 10(3):188  
"THALA DAN"

M

Kalkanis, G. (1957) 59-3128  
Tech.Memor.U.S.Army Eros.Bd, (97):  
Turbulent flow near an oscillating  
wall

M

Anonymous (1957) 59-3131  
Inform.Fischwirtsch.Auslandes, 7(12):  
37  
Südafrika: Neue Forschungsschiffe  
(South Africa: new research vessels)

M

Ross, C.W. (1957) 59-3129  
Tech.Memor.U.S.Army Eros.Bd, (99):  
Model tests on a triple-bulkhead type  
of floating breakwater

M

Anonymous (1957) 59-3132  
Bol.Soc.geogr.Lima, 74(1-2):62, 64, 65  
La océanografía es ciencia que  
interesa a todo el orbe - Las  
relaciones científicas y  
oceanográficas entre el Peru y el  
Japon - Los estudios oceanográficos en  
los países de extenso litoral  
(Oceanography is a science of world-  
wide interest. Scientific & oceano-  
graphic relations between Peru &  
Japan. Oceanographic studies in  
countries with a long coast-line)

M



Blickmann, A. (1958) 59-3133  
Naturw.Rdsch., 11(3):89  
Biologische Probleme im Nord-  
atlantischen Ozean im Internationalen  
Geophysikalischen Jahr 1957-58

M

Whittingham, H.E. (1957) 59-3136  
Aust.met.Mag., (18):49  
The sea water temperature

M

Schumann, G. (1958) 59-3134  
Umschau, 58(5):141  
Das Internationale Geophysikalische  
Jahr, XV: Radioaktivität der  
Atmosphäre, der Erde und des Ozeans  
(The International Geophysical Year,  
XV: radioactivity of the atmosphere,  
the earth and the oceans)

M

Halme, E. & 59-3137  
K. Mölder (1958)  
Ann.bot.Soc.zool.bot.fenn.Vanamo,  
30(3):71 p.  
Planktologische Untersuchungen in der  
Pojo-Bucht und angrenzenden  
Gewässern - III. Phytoplankton  
(Planktological investigations in the  
Pojo-Bay and adjacent waters - III.  
Phytoplankton)

Lists spp. found; with their seasonal  
occurrence & relative abundance;  
describes ecology of selected  
representative spp.

GLK:tl

MF

Hanzawa, M. (1957) 59-3135  
Oceanogr.Mag., 9(1):87  
Studies on the inter-relationship  
between the sea and the atmosphere

M

Halme, E. (1958) 59-3138  
Ann.zool.Soc.zool.bot.fenn.Vanamo,  
19(3):62 p.  
Planktologische Untersuchungen in der  
Pojo-Bucht und angrenzenden  
Gewässern - IV. Zooplankton  
(Planktological investigations in the  
Pojo-Bay and adjacent waters - IV.  
Zooplankton)

Lists spp. found, with their seasonal  
occurrence & relative abundance;  
describes ecology of selected  
representative spp.

GLK:tl

MF

Bal, D.V. (1959) 59-3139  
Inst.Sci.Mag.Bombay, 28:8-11  
Some aspects of application of marine biology

A popular article.

SJH:sjh

M

Boisson, Ch. (1959) 59-3142  
Bull.Inst.franç.Afr.noire, 21(1):1-13  
Ciliés et opalines hôtes du rectum de Rana occipitalis Günther (Ciliates and opalines hosts of the rectum of Rana occipitalis Günther)

Records & diagnosis of Nyctotherus gibbosus, Balantidium triangulatum Opalina globulata, Protoopalina dakariensis, & Protoopalina senegalensis of French West Africa.

FAO:hr

F

Carruthers, J.N. (1959) 59-3140  
Inst.Sci.Mag.Bombay, 28:20-1  
Bombay an oceanographical centre

A note on some oceanographic observations made during the UNESCO sponsored Refresher Course in Marine Biology held at the Bombay Institute of Science in October, 1958. Put forward a tentative hypothesis regarding relation of fish catches to hydrographic conditions.

SJH:sjh

M

Boisson, Ch. (1959) 59-3143  
Bull.Inst.franç.Afr.noire, 21(1):14-20  
Quatre nouvelles opalines d'A.O.F. (Four new opalines of French West Africa)

Records & diagnosis of Protoopalina brevis, P. cucurbitacea, Cepedea foliacea, & Opalina surcata from Ptychadena & Chiromantis spp.

FAO:hr

F

Laevastu, T. (1959) 59-3141  
Inst.Sci.Mag.Bombay, 28:59-61  
Marine biology and the disposal of radioactive wastes in the sea

A short review of research program requirements to predict & measure the movements of such substances in the marine biosphere.

SJH:sjh

M

Mayrat, A. (1959) 59-3144  
Bull.Inst.franç.Afr.noire, 21(1):21-59  
Nouvelle méthode pour l'étude comparée d'une croissance relative dans deux échantillons. Application à la carapace de Penaeus kerathurus (Forsk.) (New method for comparative study of relative growth of two samples. Application to the carapace of Penaeus kerathurus Forskal)

Considerations on the application of analysis of variance & t test.

FAO:hr

M

Marchal, E. (1959) 59-3145  
Bull.Inst.franç.Afr.noire, 21(1):  
180-203

Variation de la population anophélienne  
d'une mare à salinité variable de la  
région de Konakri (Guinée française)  
(Changes of the anophelic population  
of a pond of variable salinity of the  
Konakri region, French Guinea)

Describes the zones studied, physico-  
chemical conditions & fauna of the  
ponds, & discusses the observations  
made on development & behaviour of  
larvae of Anopheles.

FAO:hr

M

Cadenat, J., M. Doutre 59-3148  
& F. Paraiso (1959)  
Bull.Inst.franç.Afr.noire, 21(1):

410-9

Notes sur les delphinidés ouest-  
africains - III. Tursiops truncatus  
(Montagu) (Notes on the West  
African delphinids - III. Tursiops  
truncatus Montagu)

Contains comparative tables with  
morphometric measurements & number  
of teeth of specimen collected at  
different localities.

FAO:hr

M

Cadenat, J. (1959) 59-3146  
Bull.Inst.franç.Afr.noire, 21(1):  
361-94

Notes d'ichtyologie ouest-africaine -  
XIX. Les Antennarius (West  
African ichthyological notes - XIX.  
The Antennarius)

An ill. taxonomic study containing  
keys for the identification of sub-  
genera, spp., & varieties, &  
characteristics of the forms  
considered.

FAO:hr

M

GFOM (1959) 59-3149  
Stud.Rev.gen.Fish.Coun.Medit., (5):17p.  
Inland water fisheries in the GFOM  
member countries

A review of the subject covering  
production, imports & exports,  
consumption, fish culture,  
governmental policies, research  
stations etc. in: France, Greece,  
Italy, Israel, Morocco, Spain,  
Tunisia, Turkey, UAR (Egypt), &  
Yugoslavia.

Fib:wad

MF

Cadenat, J. (1959) 59-3147  
Bull.Inst.franç.Afr.noire, 21(1):  
395-409

Notes d'ichtyologie ouest-africaine -  
XX. Galeus polli espèce nouvelle  
ovovivipare de Scylliorhinidae  
(West African ichthyological notes -  
XX. Galeus polli new ovoviviparous  
species of Scylliorhinidae)

Considers taxonomic characteristics,  
reproduction, sex ratio, fecundity,  
feeding & geographic distribution.

FAO:hr

M

Moran, P.A.P. & 59-3150  
G.A. Watterson (1959)  
Aust.J.biol.Sci., 12(1):1-15  
The genetic effects of family  
structure in natural populations

A theoretical study. Every finite  
interbreeding genetic population not  
subject to gene mutation will  
eventually become homozygous; the rate  
at which this state is reached is  
found for a dioecious diploid  
population whose generations do not  
overlap. The effect of family structure  
on this rate is investigated.

GLK:papm

G



Taylor, C.B. & 59-3151  
H.B. Stewart, Jr. (1959)  
J.geophys.Res., 64(1):33-40  
Summer upwelling along the east coast  
of Florida

Account of observations on the  
upwelling as indicated by low surface  
temperature & sea levels, resulting  
from prevailing wind directions  
during summer.

TL:tl M

Loosanoff, V.L. (1959) 59-3154  
Science, 129:147  
Condylostoma - an enemy of bivalve  
larvae

In laboratory cultures, where larvae  
of such bivalves as oysters & clams  
were kept together with large ciliates  
of the family Condylostomidae, the  
latter were seen ingesting the larvae.  
A single Condylostoma could contain  
as many as 6 larvae. Related spp.  
may destroy many bivalve larvae in  
nature.

FAO:vll M

Inman, D.L. & 59-3152  
T.K. Chamberlain (1959)  
J.geophys.Res., 64(1):41-7  
Tracing beach sand movement with  
irradiated quartz

Account of study on mechanization of  
sand transportation by using sand  
which has been subject to slow neutron  
irradiation. Assaying done for P32.

TL:tl M

Eppley, R.W. & 59-3155  
R. Lasker (1959)  
Science, 129:214-5  
Alginase in the sea urchin  
Strongylocentrotus purpuratus

Viscosimetric evidence of alginase  
activity is given for the intestine  
& intestinal contents of the sea  
urchin. pH optima of the alginase  
activity of gut wall & gut contents  
are given, & the significance of the  
difference between them is  
discussed.

FAO:glk M

Harbeck, G.E., Jr. & 59-3153  
G.E. Koberg (1959)  
J.geophys.Res., 64(1):89-93  
A method of evaluating the effect of a  
monomolecular film in suppressing  
reservoir evaporation

Describes method & discusses  
determination of evaporation errors  
by pans, computation of evaporation  
from energy budget & heat & mass  
transfer theory.

TL:tl F

Clark, E. (1959) 59-3156  
Science, 129:215-6  
Functional hermaphroditism and self-  
fertilization in a serranid fish

Each mature individual of Serranellus  
subligarius, regardless of size, has  
at the same time both motile sperm  
& eggs. Embryos & larvae were produced  
from artificial fertilizations & from  
isolated fish kept in aquaria. Mating  
behaviour of pairs & groups of herma-  
phrodites shows 2 types of behavioural  
patterns involving different changes.

FAO:ec M

Boolotian, R.A. & 59-3157  
A.R. Moore (1959)  
Science, 129:271-2  
A case of ovotestes in the sea urchin  
Strongylocentrotus purpuratus

A hermaphroditic sea urchin, S. purpuratus, with 3 ovotestes & 2 testes is described. Neither cleaving eggs nor embryos were found in corpore. Fertilization inter se gave normal larvae. The specimen was collected from Palos Verdes, California, a region which has yielded an unusually large number of hermaphroditic S. purpuratus.  
FAO:rab M

Press, F. & 59-3160  
G. Dewart (1959)  
Science, 129:462-3  
Extent of the Antarctic continent

Group velocities of earth-quake-generated Love & Rayleigh waves for certain transantarctic paths are compared with data from other continents & found abnormally high. For these paths, the data indicate that at most only three-fourths of the antarctic ice sheet is underlain by continent, the remaining area being oceanic in structure.  
FAO:fp M

Saunders, P.R. (1959) 59-3158  
Science, 129:272-4  
Venom of the stonefish Synaceja verrucosa

Effect of moderate doses of this poison on rabbit circulation & respiration; characteristics of the active substance.

FAO:glk M

Anonymous (1959) 59-3161  
New Scient., 5:391  
Denmark designs ships by computer

Note on work of the Danish Shipbuilders' Computing Office at Lyngby, & possibility of similar developments in UK.

FAO:sjh M

van Overbeek, J., W.J. 59-3159  
Hughes & R. Blondeau (1959)  
Science, 129:335-6  
Acrolein for the control of water weeds and disease-carrying water snails

Effect of injection of  $\text{CH}_2\text{:CH}\cdot\text{CHO}$  into irrigation canal on submersed weeds, flow resistance, capacity of canal, & aquatic snails; its value both for managing irrigation canals & in the battle against Schistosoma blood flukes.

FAO:glk F

Lear, J. (1959) 59-3162  
New Scient., 5:408  
Can we make the seas transparent?

Report on proposal by a committee of the US National Academy of Sciences to summon a meeting to discuss creation of a World Oceanographic Organization; support for SCOR & generally for marine sciences & oceanic exploration.

FAO:sjh M

Shelbourne, J.E. (1959) 59-3163  
New Scient., 5:413-5  
Could sea fish be farmed?

Describes laboratory experiments with Salmo trutta & Pleuronectes platessa, in which the author has taken part, envisages a chain of fish hatcheries around Britain's coasts which would offset the heavy overfishing of off-shore stocks, & reduce dependence on distant fisheries.

FAO:jes

M

Anonymous (1959) 59-3166  
New Scient., 5:418  
Danube cooperation

Note on work during 1958 of the international Danube Limnological Committee, which incl. representatives of German Federal Republic, Austria, Czechoslovakia, Hungary, Yugoslavia, Romania, Bulgaria & USSR, & under whole auspices a joint survey of the whole length of the river has been made.

FAO:sjh

F

'Geminus' (1959) 59-3164  
New Scient., 5:416  
It seems to me . . .

Incl. note on study of erosion & silt accretion by the Hydraulics Research Station in UK, & its significance for land reclamation methods.

FAO:sjh

M

Foxton, R.H. (1959) 59-3167  
New Scient., 5:426  
The colonization of fresh water

Letter commenting on 59-1401.

FAO:sjh

MF

Anonymous (1959) 59-3165  
New Scient., 5:418  
Red tide of Florida

Note on work at Miami on the conditions for explosive growth of Gymnodinium brevis.

FAO:sjh

M

Groghan, P.C. (1959) 59-3168  
New Scient., 5:426  
The colonization of fresh water

Answer to 59-3167.

FAO:sjh

MF



Coles, C.R. & 59-3169  
R. Kenyon (1959)  
New Scient., 5:426  
The colonization of fresh water  
  
Letter commenting on 59-1401.

FAO:sjh

MF

Poulsen, E.M. (1959) 59-3172  
Halifax, N.S. Canada, 5 p.  
Newsletter no. 31

Contains current information about activities of ICNAF & news of fishing operations in the NW Atlantic as known at the date of issue, 31 March 1959.

GLK:sjh

M

Groghan, P.C. (1959) 59-3170  
New Scient., 5:426  
The colonization of fresh water  
  
Answer to 59-3169.

FAO:sjh

MF

Chaigneau, J. (1958) 59-3173  
C.R.Acad.Sci., Paris, 246:647-9  
Pontes provoquées et pontes de femelles vierges chez la race bisexuée de Lepidurus apus (Leach) (Crustacé phyllopoде notostracé) (Provoked spawning & spawning of virgin females of the bisexual race of Lepidurus apus Leach, crustacean phyllopoda notostraca)

The presence of the male of the sp. in one station of Deux-Sèvres is not indispensable for the spawning of females although both sexes are in

Anonymous (1959) 59-3171  
New Scient., 5:562  
Mystery of a flooded table land  
  
Note on results of a geophysical & oceanographic study of Galicia Bank, 30 miles off NW Spain.

FAO:glk

M

59-3173  
(Card 2)  
close numbers. This is contrary to the observations made on L. apus of other French station of the bisexual race. Such spawnings were exceptional & in general sterile.

FAO:hr

M

Mouriquand, G. & al. (1958) 59-3175  
C.R.Acad.Sci., Paris, 246:668-71  
 Indice chronologique vestibulaire du  
 Cyprin et méthyl-4~~8~~ chloréthyl-5  
 thiazole (Chronological vestibular  
 index of gold fish and methyl-4  
 chloroethane-5 thiazol)

A note on the favorable properties  
 of Carassius auratus for the study of  
 the effect of different substances on  
 its chronological vestibular index.

FAO:hr

F

Leloup, J. (1958) 59-3178  
C.R.Acad.Sci., Paris, 246:830-3  
 Influence de "l'estivation" sur le  
 fonctionnement thyroïdien du protoptère  
 (Protopterus annectens Owen)  
 (Influence of estivation on the  
 functioning of the thyroid of Proto-  
pterus annectens Owen)

Estivation causes a considerable  
 reduction of the activity of the  
 thyroid of the sp. probably related  
 with an inhibition of the tyriotropic  
 secretion of the hypophysis.

FAO:hr

F

Cot, P.D. (1958) 59-3176  
C.R.Acad.Sci., Paris, 246:806-8  
 Mesure des efforts exercés par les  
 lames sur les ouvrages maritimes  
 (Measurement of wave stresses on  
 marine works)

Describes an apparatus which  
 registers the waves' stress at long  
 distances & gives results obtained at  
 Havre.

FAO:hr

M

Bocquet, C., J. Guillet 59-3179  
 & J.H. Stock (1958)  
C.R.Acad.Sci., Paris, 246:836-9  
 Sur le développement des expansions  
 aliformes du copépode Nicothoe astaci  
 Audouin et Milne-Edwards (On the  
 development of the alate expansions  
 of the copepod Nicothoe astaci  
 Audouin and Milne-Edwards)

The alate expansions of the sp.  
 appears only in the females when  
 reaching the imaginal stage &  
 increases independently of molting.  
 The deformation of the body takes place  
 only in 3 thoracic segments.

FAO:hr

M

Quillet, M. (1958) 59-3177  
C.R.Acad.Sci., Paris, 246:812-5  
 Sur le métabolisme glucidique des  
 algues brunes. Présence de petites  
 quantités de laminarine chez de  
 nombreuses nouvelles espèces réparties  
 dans tout le groupe des Phéophycées  
 (On the glucidic metabolism of brown  
 algae. Presence of small quantities of  
 laminarin on numerous new species of  
 Phaeophyceae)

Recording of laminarin in 15 spp. by  
 means of selective diastasic hydrolysis  
 controlled by paper chromatography &  
 glucosason.

FAO:hr

M

Dechancé, M. (1958) 59-3180  
C.R.Acad.Sci., Paris, 246:839-42  
 Caractérisation de la glaucothoë et  
 des premiers stades Pagure chez  
Clibanarius misanthropus (Risso) (Crust.  
 décapode Anomoure) (Description of  
 the glaucothoë and the first Paguran  
 stadia in Clibanarius misanthropus  
 Risso, Anomuran decapod crustacean)

Ill. description of specimens from  
 Mediterranean.

FAO:sjh

M

GFCM (1957) 59-3181  
FAO, Rome, 27 p.  
Information bulletin no. 12

Briefly reports activities of GFCM, of its committees & officers, & of FAO Fisheries Division, & of other international organizations. Notes current fisheries developments in Mediterranean countries.

FiB:sjh

MF

Laws, R.M. (1959) 59-3184  
Discovery Rep., (29):281-308  
The foetal growth rates of whales with special reference to the fin whale, Balaenoptera physalus Linn.

Reviews the literature on foetal growth in whales, shows that foetal growth in 3 spp. of toothed whales can be described by a linear plot of length. Presents, examines & discusses original foetal length data for 956 southern fin whales & 1022 blue whales, examines the length-weight relationship of foetal baleen whales etc.

SJH:hr

M

Bidwell, R.G.S., J.S. Craigie 59-3182  
& G. Krotkov (1958)  
Canad.J.Res.(Bot.), 36:581-90  
Photosynthesis and metabolism in marine algae - III. Distribution of photosynthetic carbon from C<sup>14</sup>O<sub>2</sub> in Fucus vesiculosus

Determination of important products of photosynthesis by radioactive carbon & consequent examination of ethanol-soluble & insoluble products.

FAO:tl

M

Viosca, P., Jr. (1958) 59-3185  
Louisiana Conserv., 10(12):6-7  
Is the sea inexhaustible?

General remarks popular style on the principles of population dynamics with specific reference to white & brown shrimp, Peneus setiferus & P. aztecus, in Louisiana waters.

FAO:wad

M

Cromwell, T. (1958) 59-3183  
Bull.interam.trop.Tuna Comm., 3:135-64  
Thermocline topography, horizontal currents and "ridging" in the eastern tropical Pacific. En Es

Discussion of the features of the thermocline lying very close to the sea surface in a region of Costa Rica.

HR:glk

M

Geagan, D.W. & 59-3186  
J.T. Davis (1958)  
Louisiana Conserv., 10(12):12-5  
Shad control in Louisiana

Describes the use of rotenone for control of Dorosoma cepedianum & Dorosoma petenense.

FAO:wad

F



Järnefelt, H. (1958) 59-3187  
Acta Soc. Fauna Flora fenn., 74(5):17 p.  
 Weiterer Beitrag zur Limnologie des  
 Tuusulanjärvi (Further contribution  
 to the limnology of the Tuusulanjärvi)  
 Vertical distribution of T, O<sub>2</sub>, CO<sub>2</sub>,  
 pH, SBV, KMnO<sub>4</sub> consumption & x<sub>18</sub>, &  
 plankton during different years &  
 seasons, 1921-1956.

JK:tl

F

Fujimoto, M. (1957) 59-3190  
J. Shimonoseki Coll. Fish., 7:179-83  
 (Ecological studies on the land-  
 locked Ayu (Plecoglossus altivelis T.  
 & S.) propagated in Koyagawa Dam (Lake  
 Toyota) in Yamaguchi prefecture - I.).  
 Ni En

Contents as per title.

FAO:efa

F

Johnson, L.D. (1958) 59-3188  
Tech. Bull. Wis. Conserv. Dep., (17):54 p.  
 Pond culture of muskellunge in  
 Wisconsin

Describes ponds, their preparation &  
 management - control of unharvested  
 fish, rooted vegetation, algae, &  
 water levels, fertilization-, spawning  
 operations, egg incubation, stocking  
 of fry & forage fishes, & harvesting  
 of Esox masquinongy immaculatus.

WAD:wad

F

Fukasawa, F. (1957) 59-3191  
J. Shimonoseki Coll. Fish., 7:185-92  
 (On relation between production of  
 heat by friction and durability in  
 netting thread). Ni En

Account of studies on the effect of  
 heat due to friction between netting-  
 thread & low-carbon steel wire; with  
 ill. description of apparatus to  
 measure the temperature of wire.

FAO:efa

MF

Fujii, M. (1957) 59-3189  
J. Shimonoseki Coll. Fish., 6:323-6  
 (Studies on the protease of fishes - VII)  
 On the enzymatic and chemical properties  
 of the protease in pyloric appendage of  
 albacore Thunnus alalunga and sardine  
Sardinops melanosticta (Part II).  
 Comparison of proteolytic activity of  
 pyloric appendage of albacore and  
 sardine with that of trypsin-preparation  
 and influence of antibiotics as 5-nitro-  
 2-furfural-semicarbazone and chlorte-  
 tetracycline on the proteolytic-activity).  
 Ni En

Contents as per title.

FAO:efa

Rudnick, D. (Ed.) (1957) 59-3192  
Princeton Univ. Press, 217 p.  
 Rhythmic and synthetic processes in  
 growth - 15th symposium for the study  
 of development and growth

Group of papers contributed to the  
 symposium.

:efa

G

Cowden, R.R. (1958) 59-3193  
Quart.Rev.Biol., 33:286  
Rhythmic and synthetic processes in  
growth - 15th symposium for the study  
of development and growth

Review of 59-3192.

FAO:

G

Stolk, A. (1959) 59-3196  
Nature, Lond., 183:763-4  
Development of ovarian teratomas in  
viviparous toothcarps by pathological  
parthenogenesis

Describes the phenomenon in Lebistes  
reticulatus & Xiphophorus maculatus  
& links its occurrence with the  
presence of a parasitic phycomycete,  
Ichthyophonus hoferi.

GLK:wad

F

Yaphe, W. & 59-3194  
K. Morgan (1959)  
Nature, Lond., 183:761-2  
Enzymic hydrolysis of fucoidin by  
Pseudomonas atlantica and Pseudomonas  
carrageenovora

Reports the discovery of a fucoidinase  
obtainable from 2 spp. of marine  
bacteria.

GLK:wad

M

Krinsley, D. (1959) 59-3197  
Nature, Lond., 183:770-1  
Manganese in modern and fossil  
gastropod shells

Describes analysis made of Olivella  
biplicata, Tegula funebris &  
Fissurella volcano.

GLK:wad

M

Williams, F. (1959) 59-3195  
Nature, Lond., 183:762-3  
Marlins in British East African  
waters

Reviews past records of occurrence &  
records captures of Makaira audax  
during October-December 1958 between  
Malindi, Kenya, & Mafia island,  
Tanganyika territory, 10-20 miles off-  
shore.

GLK:wad

M

IPFC (1958) 59-3198  
FAO Regional Office, Bangkok, 61 p.  
Current affairs bulletin no. 23

Briefly reports activities of IPFC &  
of its committees & officers, & i  
important current fisheries develop-  
ment in both, member countries &  
other parts of the world, as known to  
date of issue, December 1958.  
Contains 59-3199 & a list of forth-  
coming conferences, meetings &  
training centers.

FiB:sjh

MF

D'Ancona, U. (1958) 59-3199  
Curr.Aff.Bull., Bangkok, (23):1-5  
The conservation of living resources  
in inland waters

Contents as per title.

Huve, H. (1957) 59-3202  
Rec.Trav.Sta.marit.Endoume, (12):67-73  
Sur une variété nouvelle pour la  
Méditerranée, du Caulerpa racemosa  
(Forsk.) Agardh (Caulerpa  
racemosa (Forsk.) Agardh, a new  
variety for the Mediterranean)

F1B:

F

M

Hata, K. (1957) 59-3200  
J.oceanogr.Soc.Japan, 11(2):57-8  
(On the correction of wire length in  
oceanographical observations).  
Ni En

M

Hanzawa, M. (1957) 59-3203  
Oceanogr.Mag., 9(1):87-93  
Studies on the inter-relationship  
between the sea and the atmosphere -2.

M

Huve, H. (1957) 59-3201  
Rec.Trav.Sta.marit.Endoume, (12):50-66  
Contribution préliminaire à l'étude  
des peuplements superficiels des côtes  
rocheuses de Méditerranée orientale  
(Preliminary contribution to the study  
of the surface populations along the  
rocky coasts of the eastern  
Mediterranean)

M

Hatanaka, M. & al. (1957) 59-3204  
Tohoku J.agric.Res., 7(4):351-68  
Growth and food consumption in young  
mackerel, Pneumatophorus japonicus  
(Houttuyn)

M



Gautier-Michaz, M. (1957) 59-3205  
Rec.Trav.Sta.marit.Endoume, (12):80-3  
 Cinq echinodermes nouveaux ou peu  
 connus pour la faune de France  
 (Five echinoderms new or little known  
 to the fauna of France)

M

Gautier, Y.V. (1957) 59-3208  
Rec.Trav.Sta.marit.Endoume, (13):55-64  
 Recherches sur les biocoenoses  
 benthiques des côtes de Camargue et  
 du golfe de Fos (Investigations on  
 the benthic biocoenosis along the  
 coasts of Camargue and the gulf of Fos)

M

Hancock, D.A. (1957) 59-3206  
Proc.zool.Soc.Lond., 129(2):255-91  
 The feeding behaviour of the sea  
 urchin Psammechinus miliaris (Gmelin)  
 in the laboratory

M

Ginsburg, A.S. (1957) 59-3209  
C.R.Acad.Sci.U.R.S.S., 115:845  
 (The time of contact establishment  
 between the egg and the spermatozoon  
 in sturgeons). Ru

MF

Hardy, E. (1957) 59-3207  
Fish.News, Lond., (2328):7  
 Seals roam great distances

M

Ginsburg, A.S. (1957) 59-3210  
C.R.Acad.Sci.U.R.S.S., 114:445-7  
 (Monospermy in sturgeons in normal  
 fertilization and the consequences of  
 penetration into the egg of super-  
 numerary spermatozoa). Ru

MF

Halstead, B.W. & al. (1957) 59-3211  
Ann.Mag.nat.Hist., 10:767-8  
On the morphology of the 'hairs' of  
the rare deep sea fish, Mirapinna esau

M

Gordon, I. (1957) 59-3214  
Ann.Mag.nat.Hist., 10:524-8  
A pseudo-hermaphrodite specimen of  
the lobster, Homarus gammarus  
(Linnaeus)

M

Glanville, A. (1957) 59-3212  
World Fish., 6(6):27-31  
Herring fishing at Dunmore East,  
1956-57

M

Greenwood, P.H. (1957) 59-3215  
Uganda J., 21:191-219  
The fishes of Uganda - IV.

F

Gontcharoff, M. (1957) 59-3213  
Rec.Trav.Sta.marit.Endoume, (13):71-4  
Sur l'existence de Lineus ruber en  
Méditerranée (On the existence of  
Lineus ruber in the Mediterranean)

M

Gorshkova, T.I. (1957) 59-3216  
C.R.Acad.Sci.U.R.S.S., 113:863-5  
(The chemical composition of  
interstitial waters of the Baltic  
Sea). Ru

M

Hidaka, K. (1957) 59-3217  
J.oceanogr.Soc.Japan, 14(2):45-6  
A note on Dr. Ichiye's paper: "A theory  
on the generation of tsunamis by an  
impulse at the sea bottom"

M

Hedley, R.H. & 59-3220  
C.M. Underwood (1957)  
Ann.Mag.nat.Hist., 10:721-32  
Living foraminifera and empty shells  
from the North Kent coast

M

Hempel, G. (1957) 59-3218  
Fischereiwelt, (1-2):2-5  
Tagung der Deutschen Wissenschaftlichen  
Kommission für Meeresforschung  
(Conference of the Deutsche Wissen-  
schaftliche Kommission für Meeres-  
forschung)

M

Healy, A. (1957) 59-3221  
Salm.Trout Mag., (150):107  
Fishes of Lough Rea, Co. Galway,  
Ireland - I. Trout and perch

F

Hishida, K. (1957) 59-3219  
Oceanogr.Mag., 9(1):51-4  
On the forecasting of water temperature  
in the Japan sea

M

Harrison, J.S.N. & 59-3222  
S.W. Roach (1957)  
Progr.Rep.Pacif.Cst Stas, (108):10-4  
Application of refrigerated sea water  
fish holding to a halibut fishing  
vessel

FAO:x

M



Guinot, D. (1957) 59-3223  
Bull.Mus.Hist.nat., Paris, 29:475-84  
 Sur une collection de décapodes  
 brachyours (Portunidae et Xanthidae)  
 de l'Ile Mayotte - I. Portunus  
 (Hellenus) mariei sp. nov. (On a  
 collection of brachyuran decapods,  
 Portunidae and Xanthidae, from Mayotte  
 island - I. Portunus, Hellenus, mariei  
 sp. nov.)

M

Guinot, D. (1958) 59-3226  
Bull.Mus.Hist.nat., Paris, 30:276-84  
 Sur une collection de Décapodes  
 brachyours (Portunidae et Xanthidae)  
 de l'Ile Mayotte - II. Xanthidae  
 (On a collection of brachyuran  
 decapods, Portunidae and Xanthidae,  
 from Mayotte island - II. Xanthidae)

M

Gustafson, T. & 59-3224  
 S. Horstadius (1957)  
Pubbl.Staz.zool.Napoli, 29:407-24  
 Changes in the determination of the  
 sea urchin egg induced by amino acids

M

Heybrock, W. (1957) 59-3227  
Petermanns geogr.Mitt., 101(3):184-93  
 Gletscherrückgang und Erhöhung des  
 Meeresspiegels (Glacier decrease  
 and increase of sea level)

M

Guibe, J. & 59-3225  
 J. Spillmann (1957)  
Bull.Mus.Hist.nat., Paris, 29:462-3  
 Au sujet de quelques types de  
 Cyprinidés (Poissons) de Cuvier et  
 Valenciennes (On some types of  
 Cyprinidae Cuvier and Valenciennes)

F

Anonymous (1958) 59-3228  
Meereskundl.Beob.Ergebn., (9):  
 Strombeobachtungen in der südwestlichen  
 Nordsee in den Jahren 1951-1955  
 (Observations of currents in the  
 south-west North Sea during the years  
 1951-1955)

M

Holt, S.J. (1957) 59-3229  
In "Chamber's Encyclopaedia World  
Survey 1957", London, 106-10  
Fisheries

FAO:

MF

Hill, M.N. (1957) 59-3232  
Chron.UGGI, (4):142-3  
Bathymetric chart of the NE Atlantic

FAO:

M

Anonymous (1958) 59-3230  
Holland Fish Tr., (26):1-5  
The Netherlands fishery in economic  
perspective

MF

Gerhardsen, G.M. (1958) 59-3233  
In "Fisheries of the West Coast of  
India", Mandapam, 118-22  
The Indo-Norwegian project

M

Harris, N.V. (1957) 59-3231  
Fish.News Lett.Aust., 16(6):11  
Flathead, lampara net regulations  
amended

FAO:

M

Higashi, H. & al. (1957) 59-3234  
Coll.Repr.Tokai reg.Fish.Res.Lab.,  
(B-261)  
Vitamin A in lamprey, Entosphenus  
japonicus

Original source unknown.

M

Hirai, M. & 59-3235  
 K. Kanna (1957)  
Rep.Jap.Sea reg.Fish.Res.Lab., (3):  
167-70  
 (The poison of a shellfish, Neptunea  
intersculpta Gowerby). Ni En

M

Jónsson, J. (1959) 59-3238  
Ann.biol., Copenhagen, (14):9-10  
Distant northern seas. Introduction

FAO:

M

ICES (1959) 59-3236  
Copenhagen, 223 p.  
Annales biologiques no. 14

FAO:

MF

Smed, J. (1959) 59-3239  
Ann.biol., Copenhagen, (14):11  
Monthly anomalies of the surface  
temperature of the sea west of south  
Greenland 1876-1956

Part of 'Distant northern seas -  
 Environment - Hydrography'.

FAO:

M

Fridriksson, A. (1959) 59-3237  
Ann.biol., Copenhagen, (14):7-8  
Annales biologiques. Preface

FAO:

MF

Smed, J. (1959) 59-3240  
Ann.biol., Copenhagen, (14):12-4  
Monthly anomalies of the surface  
temperature in areas of the northern  
North Atlantic in 1957

Part of 'Distant northern seas -  
 Environment - Hydrography'.

FAO:

M



Hill, H.W. (1959) 59-3241  
Ann.biol., Copenhagen, (14):14-7  
Hydrographic conditions in the Barents  
Sea in 1957

Part of 'Distant northern seas -  
Environment - Hydrography'.

FAO: M

Burns, R.B. (1959) 59-3244  
Ann.biol., Copenhagen, (14):24  
Hydrographic conditions in Icelandic  
waters

Part of 'Distant northern seas -  
Environment - Hydrography'.

FAO: M

Stefánsson, U. (1959) 59-3242  
Ann.biol., Copenhagen, (14):17-21  
Hydrographic conditions in Icelandic  
waters in June 1957

Part of 'Distant northern seas -  
Environment - Hydrography'.

FAO: M

Hermann, F. (1959) 59-3245  
Ann.biol., Copenhagen, (14):24-6  
Hydrographic conditions in the  
eastern part of Labrador sea and  
Davis Strait in 1957

Part of 'Distant northern seas -  
Environment - Hydrography'.

FAO: M

Dietrich, G. (1959) 59-3243  
Ann.biol., Copenhagen, (14):22  
Hydrographic details of the waters  
south-west of Iceland in July 1957

Part of 'Distant northern seas -  
Environment - Hydrography'.

FAO: M

Hermann, F. (1959) 59-3246  
Ann.biol., Copenhagen, (14):26-7  
Sections Faroes to East Greenland and  
Cape Farewell to West Ireland

Part of 'Distant northern seas -  
Environment - Hydrography'.

FAO: M

Andersen, K.P. (1959) 59-3247  
Ann.biol., Copenhagen, (14):27-8  
Hydrographic conditions in the south-  
western part of the Norwegian Sea,  
1957

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

FAO:

M

McIntyre, A.D. (1959) 59-3250  
Ann.biol., Copenhagen, (14):31-3  
Scottish investigations

Part of 'Distant Northern Seas -  
The Fish - Halibut'.

FAO:

M

Hallgrímsson, I. (1959) 59-3248  
Ann.biol., Copenhagen, (14):29  
Unusual distribution of salps in  
Icelandic waters in 1957

Part of 'Distant Northern Seas -  
Environment - Plankton'.

FAO:

M

McIntyre, A.D. (1959) 59-3251  
Ann.biol., Copenhagen, (14):33-5  
Scottish investigations

Part of 'Distant Northern Seas -  
The Fish - Red Fish'.

FAO:

M

Fraser, J.H. (1959) 59-3249  
Ann.biol., Copenhagen, (14):29-30  
Plankton investigations from  
Aberdeen in 1957

Part of 'Distant Northern Seas -  
Environment - Plankton'.

FAO:

M

Magnússon, J. (1959) 59-3252  
Ann.biol., Copenhagen, (14):35-9  
On the sex ratio of redfish in East  
Greenland and Icelandic waters in 1957

Part of 'Distant Northern Seas -  
The Fish - Redfish'.

FAO:

M

Hansen, P.M. (1959) 59-3253  
Ann.biol., Copenhagen, (14):39  
Danish catches of redfish (Sebastes  
marinus) in West Greenland fjords

Part of 'Distant Northern Seas -  
The Fish - Redfish'.

FAO:

M

Rae, B.B. & 59-3256  
J.M. Lamont (1959)  
Ann.biol., Copenhagen, (14):43  
Rare fish from distant northern seas  
area - Scotland

Part of 'Distant Northern Seas -  
The Fish - Rare Fish'.

FAO:

M

Hansen, P.M. (1959) 59-3254  
Ann.biol., Copenhagen, (14):40  
Spotted wolffish (Anarchichas minor)

Part of 'Distant Northern Seas -  
The Fish - Wolffish'.

FAO:

M

Korringa, P. (1959) 59-3257  
Ann.biol., Copenhagen, (14):44-6  
Near northern seas - Introduction

FAO:

M

Krefft, G., C.H. Brandes 59-3255  
& A. Kotthaus (1959)  
Ann.biol., Copenhagen, (14):41-3  
Rare fish from distant northern seas  
area - Germany

Part of 'Distant Northern Seas -  
The Fish - Rare Fish'.

FAO:

M

Andersen, K.P. (1959) 59-3258  
Ann.biol., Copenhagen, (14):47  
Hydrographic conditions in the North  
Sea 1957

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO:

M



Tait, J.B. (1959) 59-3259  
Ann.biol., Copenhagen, (14):51-2  
Near northern seas and approaches

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO: M

Rogalla, E. (1959) 59-3262  
Ann.biol., Copenhagen, (14):59-60  
Hydrographic conditions in the Dogger  
Bank region

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO: M

Craig, R.E. (1959) 59-3260  
Ann.biol., Copenhagen, (14):52  
Hydrographic surveys of the northern  
North Sea, 1957

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO: M

Smed, J. (1959) 59-3263  
Ann.biol., Copenhagen, (14):60  
Monthly anomalies of the surface  
temperature in an area off the  
eastern coast of Scotland in 1957

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO: M

Koopmann, G. (1959) 59-3261  
Ann.biol., Copenhagen, (14):57-9  
Hydrographic conditions in the  
Skagerak and northern North Sea in  
January-February 1957

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO: M

Koopmann, G. (1959) 59-3264  
Ann.biol., Copenhagen, (14):60-1  
Hydrographic conditions in the German  
Bight, 1957

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO: M

Craig, R.E. (1959) 59-3265  
Ann.biol., Copenhagen, (14):63  
Upper water temperature in the North  
Minch 1956-1957

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO:

M

Jerlov, N. (1959) 59-3268  
Ann.biol., Copenhagen, (14):64  
Hydrography of the Kattegat area,  
Swedish waters

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO:

M

Craig, R.E. (1959) 59-3266  
Ann.biol., Copenhagen, (14):63  
Upper water movements in the Firth of  
Clyde - March/April 1957

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO:

M

Fraser, J.H. (1959) 59-3269  
Ann.biol., Copenhagen, (14):65-6  
Plankton investigations from Aberdeen  
in 1957

Part of 'Near Northern Seas -  
Environment - Plankton'.

FAO:

M

Thomsen, H. (1959) 59-3267  
Ann.biol., Copenhagen, (14):63  
Hydrography of the Kattegat area,  
Danish waters

Part of 'Near Northern Seas -  
Environment - Hydrography'.

FAO:

M

Glover, R.S. & 59-3270  
B.I. Barnes (1959)  
Ann.biol., Copenhagen, (14):67-9  
The continuous plankton recorder  
survey: plankton around the British  
isles during 1957

Part of 'Near Northern Seas -  
Environment - Plankton'.

FAO:

M

Wimpenny, R.S. (1959) 59-3271  
Ann.biol., Copenhagen, (14):70  
The dry weight of Hensen-net plankton

Part of 'Near Northern Seas -  
Environment - Plankton'.

FAO:

M

Ursin, E. (1959) 59-3274  
Ann.biol., Copenhagen, (14):79-80  
Danish plaice investigations

Part of 'Near Northern Seas -  
The Fish - Plaice'.

FAO:

M

Ziegelmeier, E. (1959) 59-3272  
Ann.biol., Copenhagen, (14):70-2  
Investigations of the bottom fauna in  
the German Bight, 1956 and 1957

Part of 'Near Northern Seas -  
Environment - Benthonic Food'.

FAO:

M

Jensen, A.J.C. (1959) 59-3275  
Ann.biol., Copenhagen, (14):80-1  
Plaice and other flatfish in the  
Skagerak-Kattegat area

Part of 'Near Northern Seas -  
The Fish - Plaice'.

FAO:

M

Kotthaus, A. (1959) 59-3273  
Ann.biol., Copenhagen, (14):72-9  
German plaice investigations in 1957

Part of 'Near Northern Seas -  
The Fish - Plaice'.

FAO:

M

Bagge, O. (1959) 59-3276  
Ann.biol., Copenhagen, (14):82  
Transplantation of plaice to the  
Limfjord

Part of 'Near Northern Seas -  
The Fish - Plaice'.

FAO:

M



Roessingh, M. (1959) 59-3277  
Ann.biol., Copenhagen, (14):82-3  
Vertebral counts in North Sea whiting

Part of 'Near Northern Seas -  
The Fish - Whiting'.

FAO:

M

Meyer-Waarden, P.F. (1959) 59-3280  
Ann.biol., Copenhagen, (14):84-5  
Undersized protected fish species in  
the German shrimp catches

Part of 'Near Northern Seas -  
The Fish - Industrial Fisheries'.

FAO:

M

Meyer-Waarden, P.F. (1959) 59-3278  
Ann.biol., Copenhagen, (14):83  
German sand-eel investigations in 1957

Part of 'Near Northern Seas -  
The Fish - Industrial Fisheries'.

FAO:

M

Rae, B.B. & 59-3281  
J.M. Lamont (1959)  
Ann.biol., Copenhagen, (14):85-6  
Rare fishes from near northern seas -  
Scotland

Part of 'Near Northern Seas -  
The Fish - Rare Fish'.

FAO:

M

Meyer-Waarden, P.F. (1959) 59-3279  
Ann.biol., Copenhagen, (14):83-4  
Undersized food fish in the German  
landings of industrial fish

Part of 'Near Northern Seas -  
The Fish - Industrial Fisheries'.

FAO:

M

Kreffft, G. (1959) 59-3282  
Ann.biol., Copenhagen, (14):86  
Rare fishes from near northern seas -  
Germany

Part of 'Near Northern Seas -  
The Fish - Rare Fish'.

FAO:

M

Jensen, A.J.C. (1959) 59-3283  
Ann.biol., Copenhagen, (14):87-8  
Baltic-Belt seas - Introduction

FAO:

M

Jerlov, N. (1959) 59-3286  
Ann.biol., Copenhagen, (14):91  
Swedish observations

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

FAO:

M

Thomsen, H. (1959) 59-3284  
Ann.biol., Copenhagen, (14):89  
Danish observations in the Great Belt  
and the Western Baltic

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

FAO:

M

Filarski, J. (1959) 59-3287  
Ann.biol., Copenhagen, (14):92  
Polish observations in the Southern  
Baltic during 1956-1957

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

FAO:

M

Koopmann, G. (1959) 59-3285  
Ann.biol., Copenhagen, (14):90  
German observations of the hydrographic  
conditions in the Western Baltic in  
1957

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

FAO:

M

Jensen, A.J.C. (1959) 59-3288  
Ann.biol., Copenhagen, (14):95  
Plankton at Bornholm

Part of 'Baltic-Belt Seas -  
Environment - Plankton'.

FAO:

M

Nikolaev, I. (1959) 59-3289  
Ann.biol., Copenhagen, (14):95-6  
Zooplankton and biomass in the Central  
Baltic and the gulf of Riga in 1957

Part of 'Baltic-Belt Seas -  
Environment - Plankton'.

FAO: M

Jensen, A.J.C. (1959) 59-3292  
Ann.biol., Copenhagen, (14):98-9  
The stock of plaice in the open sea

Part of 'Baltic-Belt Seas -  
The Fish - Plaice'.

FAO: M

Kändler, R. (1959) 59-3290  
Ann.biol., Copenhagen, (14):96-7  
German investigations in the Belts and  
Western Baltic

Part of 'Baltic-Belt Seas -  
The Fish - Eggs and Larvae'.

FAO: M

Jensen, A.J.C. (1959) 59-3293  
Ann.biol., Copenhagen, (14):99  
Danish commercial catches of plaice

Part of 'Baltic-Belt Seas -  
The Fish - Plaice'.

FAO: M

Jensen, A.J.C. (1959) 59-3291  
Ann.biol., Copenhagen, (14):97-8  
The O- and I-groups in Danish coastal  
waters

Part of 'Baltic-Belt Seas -  
The Fish - Flatfish'.

FAO: M

Bagge, O. (1959) 59-3294  
Ann.biol., Copenhagen, (14):99-100  
Transplantation of plaice to the  
Belt Sea

Part of 'Baltic-Belt Seas -  
The Fish - Plaice'.

FAO: M



Bagge, O. (1959) 59-3295  
Ann.biol., Copenhagen, (14):100  
The stock of dab in the open sea

Part of 'Baltic-Belt Seas -  
The Fish - Dab'.

FAO:

M

Jensen, A.J.C. (1959) 59-3298  
Ann.biol., Copenhagen, (14):102  
Forecast of the yield of the silver-  
eel fishery

Part of 'Baltic-Belt Seas -  
The Fish - Eel'.

FAO:

MF

Otterlind, G. & 59-3296  
G. Sallerberg (1959)  
Ann.biol., Copenhagen, (14):100-1  
Swedish investigations of flatfish

Part of 'Baltic-Belt Seas -  
The Fish - Flatfish'.

FAO:

M

Borisov, P. (1959) 59-3299  
Ann.biol., Copenhagen, (14):102  
Observations on migrations

Part of 'Baltic-Belt Seas -  
The Fish - Eel'.

FAO:

MF

Kändler, R. (1959) 59-3297  
Ann.biol., Copenhagen, (14):101-2  
Quantitative fishing of demersal fish  
with the standard trawl

Part of 'Baltic-Belt Seas -  
The Fish - Demersal Fish'.

FAO:

M

Rollefsen, G. (1959) 59-3300  
Ann.biol., Copenhagen, (14):103  
Cadoid Fish - Introduction

FAO:

M

Hansen, P.M. (1959) 59-3301  
Ann.biol., Copenhagen, (14):103-4  
Greenland - Cod fry and small cod in  
coastal waters and on the offshore  
banks of West Greenland, 1957

Part of 'Gadoid Fish - Young States'.

FAO: M

Jónsson, J. (1959) 59-3304  
Ann.biol., Copenhagen, (14):115-8  
Greenland stock - Icelandic cod  
investigations in south-west and  
south-east Greenland waters, 1957

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO: M

Joensen, J.S. (1959) 59-3302  
Ann.biol., Copenhagen, (14):106  
Faroes - Pelagic O-group cod, haddock,  
whiting, and saithe

Part of 'Gadoid Fish - Young Stages'.

FAO: M

Meyer, A. (1959) 59-3305  
Ann.biol., Copenhagen, (14):118-21  
Greenland stock - German investigations  
on Greenland cod, 1957

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO: M

Hansen, P.M. (1959) 59-3303  
Ann.biol., Copenhagen, (14):107-14  
Greenland stock - Danish investigations  
in the coastal waters and on the  
offshore banks of West Greenland in  
1957

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO: M

Rasmussen, B. (1959) 59-3306  
Ann.biol., Copenhagen, (14):123-4  
Greenland stock - On the migration  
pattern of the West Greenland stock  
of cod

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO: M

Jónsson, J. (1959) 59-3307  
Ann.biol., Copenhagen, (14):124  
Iceland stock - The spawning stock of  
cod in 1957

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO:

M

Joensen, J.S. (1959) 59-3310  
Ann.biol., Copenhagen, (14):127  
Faroe stock - Spawning cod north of  
the Faroes

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO:

M

Travin, V.I. (1959) 59-3308  
Ann.biol., Copenhagen, (14):125  
Arcto-Norwegian stock - Soviet  
investigations on cod and haddock

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO:

M

Otterlind, G. & 59-3311  
G. Sællerberg (1959)  
Ann.biol., Copenhagen, (14):128-9  
Baltic stock - Swedish investigations

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO:

M

Trout, G.C. (1959) 59-3309  
Ann.biol., Copenhagen, (14):126-7  
Arcto-Norwegian stock - English cod  
tagging in 1956 and 1957

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO:

M

Rutkiewicz, St. (1959) 59-3312  
Ann.biol., Copenhagen, (14):129  
Baltic stock - Polish investigations  
in 1957

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

FAO:

M



Jones, R. (1959) 59-3313  
Ann.biol., Copenhagen, (14):129-30  
Faroe stock - Scottish  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

FAO: M

Schmidt, U. (1959) 59-3316  
Ann.biol., Copenhagen, (14):136-43  
Iceland and Arcto-Norwegian stock -  
German investigations on commercial  
saithe landings in 1957

Part of 'Gadoid Fish - Commercial  
Fish - Saithe'.

FAO: M

Jones, R. (1959) 59-3314  
Ann.biol., Copenhagen, (14):131  
North Sea stock - Scottish  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

FAO: M

Jones, R. & 59-3317  
R. Gamble (1959)  
Ann.biol., Copenhagen, (14):143  
North Sea stock - British statistics

Part of 'Gadoid Fish - Commercial  
Fish - Whiting'.

FAO: M

Sahrhage, D. (1959) 59-3315  
Ann.biol., Copenhagen, (14):135-6  
North Sea stock - German  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

FAO: M

Sahrhage, D. (1959) 59-3318  
Ann.biol., Copenhagen, (14):143-6  
North Sea stock - German  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Whiting'.

FAO: M

Aasen, O. (1959) 59-3319  
Ann.biol., Copenhagen, (14):147  
Herring - Introduction

Dragesund, O. (1959) 59-3322  
Ann.biol., Copenhagen, (14):149  
Norwegian fat herring tagging in 1957

Part of 'Herring - A. Distant Northern Seas - Commercial Fish'.

FAO:

M

FAO:

M

Udanov, I. (1959) 59-3320  
Ann.biol., Copenhagen, (14):147-8  
Soviet investigations on the state of the stock, distribution, and behaviour of herring in the North Atlantic

Part of 'Herring - A. Distant Northern Seas - Commercial Fish'.

FAO:

M

Fridriksson, A. (1959) 59-3323  
Ann.biol., Copenhagen, (14):149-54  
The Icelandic north coast herring in 1957

Part of 'Herring - A. Distant Northern Seas - Commercial Fish'.

FAO:

M

Aasen, O. (1959) 59-3321  
Ann.biol., Copenhagen, (14):148-9  
Norwegian herring investigation in the Norwegian Sea, 1957

Part of 'Herring - A. Distant Northern Seas - Commercial Fish'.

FAO:

M

Saville, A. (1959) 59-3324  
Ann.biol., Copenhagen, (14):155  
Autumn spawned herring larvae in the northern North Sea

Part of 'Herring - B. Near Northern Seas - Young Stages'.

FAO:

M

Aasen, O. (1959) 59-3325  
Ann.biol., Copenhagen, (14):155  
Hydrographical conditions and  
occurrence of herring during the  
spawning migration to the Norwegian  
coast in January 1957

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO: M

McPherson, G. (1959) 59-3328  
Ann.biol., Copenhagen, (14):159  
O- and I- group, Scotland, 1956-1957

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO: M

Østvedt, O.J. (1959) 59-3326  
Ann.biol., Copenhagen, (14):156-7  
Length, age, and spawning groups of  
the Norwegian winter herring, 1957

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO: M

Parrish, B.B. & al. (1959) 59-3329  
Ann.biol., Copenhagen, (14):159-69  
Scottish fisheries 1957

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO: M

Dragesund, O. (1959) 59-3327  
Ann.biol., Copenhagen, (14):158  
Norwegian herring tagging  
experiments in 1957

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO: M

Schubert, K. (1959) 59-3330  
Ann.biol., Copenhagen, (14):169-74  
Survey of the German commercial  
herring fisheries and the biological  
conditions of the stocks

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO: M



Krefft, G. (1959) 59-3331  
Ann.biol., Copenhagen, (14):174.  
German herring tagging experiments

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO:

M

Madsen, K. Popp (1959) 59-3334  
Ann.biol., Copenhagen, (14):181-2  
Young herring from the Bløden Ground  
area

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO:

M

Hempel, G. (1959) 59-3332  
Ann.biol., Copenhagen, (14):175  
Coastal herring from the Ems estuary

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO:

M

Gilis, Ch. (1959) 59-3335  
Ann.biol., Copenhagen, (14):182-8  
The Belgian herring fisheries in  
1957-1958

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO:

M

Postuma, K.H. & 59-3333  
J.J. Zijlstra (1959)  
Ann.biol., Copenhagen, (14):175-81  
The herring fisheries of the  
Netherlands in 1957

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO:

M

Popiel, J. (1959) 59-3336  
Ann.biol., Copenhagen, (14):188  
Age length of herring in Polish  
trawl catches in the farn deep-East  
Bank area in August and September 1957

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO:

M

Aasen, O. (1959) 59-3337  
Ann.biol., Copenhagen, (14):188-9  
ICES herring tagging experiment at the  
Bløden Ground

Part of 'Herring - B. Near Northern  
Seas - Commercial Fish'.

FAO: M

Jensen, A.J.C. (1959) 59-3340  
Ann.biol., Copenhagen, (14):191-4  
Danish herring investigations in the  
Skagerak, Kattegat, Belts, and  
Baltic

Part of 'Herring - C. Baltic-Belt  
Seas - Commercial Fish'.

FAO: M

Otterlind, G. (1959) 59-3338  
Ann.biol., Copenhagen, (14):189-90  
Report on Swedish herring tagging in  
the Baltic

Part of 'Herring - C. Baltic-Belt  
Seas - Commercial Fish'.

FAO: M

Pinto, J.S. & 59-3341  
I.F. Barraca (1959)  
Ann.biol., Copenhagen, (14):195-9  
La sardine de la côte du Portugal en  
1957 (The sardine from the  
Portugal coast in 1957)

Part of 'Sardine - Commercial Fish -  
Sardine'.

FAO: M

Popiel, J. & 59-3339  
J. Elwertowski (1959)  
Ann.biol., Copenhagen, (14):190-1  
Composition of the herring stock in  
the Southern Baltic

Part of 'Herring - C. Baltic-Belt  
Seas - Commercial Fish'.

FAO: M

Jensen, A.J.C. (1959) 59-3342  
Ann.biol., Copenhagen, (14):200-2  
Sprat in the Danish catches

Part of 'Sardine - Commercial Fish -  
Sprat'.

FAO: M

Elwertowski, J. (1959) 59-3343  
Ann.biol., Copenhagen, (14):202-3  
Polish investigations on Baltic sprat  
in 1957

Part of 'Sardine - Commercial Fish -  
Sprat'.

FAO:

M

Hartley, W.G. (1959) 59-3346  
Ann.biol., Copenhagen, (14):208-9  
Salmon stocks

Part of 'Salmon and Trout - England  
and Wales'.

FAO:

MF

Kändler, R. (1959) 59-3344  
Ann.biol., Copenhagen, (14):204-6  
The stock of mackerel in the North  
Sea in 1956

Part of 'Scombriform Fish - Commercial  
Fish'.

FAO:

M

Howells, G. (1959) 59-3347  
Ann.biol., Copenhagen, (14):209  
Research on osmoregulation in salmon

Part of 'Salmon and Trout - England  
and Wales'.

FAO:

MF

Swain, A. & 59-3345  
W.G. Hartley (1959)  
Ann.biol., Copenhagen, (14):207-8  
Salmon and sea trout experiments  
river Coquet, Northumberland

Part of 'Salmon and Trout - England  
and Wales'.

FAO:

MF

Kändler, R. (1959) 59-3348  
Ann.biol., Copenhagen, (14):210-1  
Salmon catches, 1956-1957

Part of 'Salmon and Trout - Germany'.

FAO:

MF



Lagunov, I.I. & V.V. Azbelev (1959) 59-3349  
Ann.biol., Copenhagen, (14):211  
Biology and stock conditions of salmon

Part of 'Salmon and Trout - U.S.S.R.'.

FAO: MF

Drinkwaard, A.C. (1959) 59-3352  
Ann.biol., Copenhagen, (14):217-23  
The quality of oysters in relation to environmental conditions in the Oosterschelde in 1957

Part of 'Shellfish - Mollusca - Oyster'.

FAO: M

Jensen, A.J.C. (1959) 59-3350  
Ann.biol., Copenhagen, (14):212-4  
Norway lobster in the Skagerak and northern Kattegat

Part of 'Shellfish - Crustacea'.

FAO: M

Bremond, J.C. (1958) 59-3353  
Vie & Milieu, 9:257-77  
Enregistrement des temps d'immersion à différents niveaux dus aux nappes d'eau induites par les vagues se brisant sur une paroi rocheuse (Registry of time of immersion at different levels by layers of water caused by breakers on a rocky wall)

Describes the registering apparatus, mathematical calculations of relationships between layers of water & waves, & other factors related to the movements of the water.

FAO:hr M

Korringa, P. (1959) 59-3351  
Ann.biol., Copenhagen, (14):214-7  
Larvae and spatfall of oysters in the Oosterschelde (Netherlands) in 1957

Part of 'Shellfish - Mollusca - Oyster'.

FAO: M

Halim, Y. (1958) 59-3354  
Vie & Milieu, 9:278-92  
Observations sur l'hydrologie de la baie et du canyon de Villefranche-sur-Mer (Considerations on the hydrology of the bay and canyon of Villefranche-sur-Mer)

The wind regime & the effects of the predominating winds are described. The main hydrographic features of the bay & submarine canyon are outlined.

FAO:hr M

Yaldwyn, J.C. (1958) 59-3355  
Vie & Milieu, 9:334-9  
Notes on crustacea decapoda Natantia  
from subterranean waters in New  
Zealand

Records of occurrence & distribution  
of Paratya curvirostris, Alope  
spinifrons & Palaemon affinis.

FAO:hr

MF

Wilson, J.T. (1959) 59-3358  
Amer.Scient., 47(1):1-24  
Geophysics and continental growth

Contains also notes on the mid-ocean  
ridges & fracture systems on the  
sedimentation process in the sea.

TL:tl

M

Munro, I.S.R. (1958) 59-3356  
Fish.Bull., Papua, (1):97-369  
The fishes of the New Guinea region

For each sp. is given an original  
bibliographic citation followed by  
references to papers which deal  
specifically with actual specimens  
obtained from the region. References  
are arranged in chronological order,  
citing name combination, author, code  
number, page reference & locality from  
which specimens were obtained.

FiB:hr

M

Hubbs, C.L. (Ed.) (1959) 59-3359  
AAAS, Washington, D.C., 509 p.  
Zoogeography

MF

Fishing Gazette Publishing 59-3357  
Corporation (1958)  
New York, 270 p.  
Fishing Gazette vol. 75 no. 13

Contains short articles on all  
aspects of fisheries of US, statistics  
of production & trade, craft, gear,  
research, processing, reviews of  
fisheries by areas & spp. caught.

FAO:sjh

MF

Parin, N.V. (1959) 59-3360  
C.R.Acad.Sci.U.R.S.S., 124:1130-2  
O skhodstve v geograficheskom  
rasprostraneni sardii i  
subtropicheskikh letuchikh ryb  
(On the resemblance in the geographic  
distribution of Sardina pilchardus,  
Sardinas sagax and Cypselurus pinnati-  
barbatus)

Annotation to follow.

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Aasen, O. (1959)	3319	3321	3325
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Bien, G.S., D.E. Contois		Briggs, R., G.V. Dyke	
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Bischof, W. (1957)	2847	N.H. Jasper (1957)	2727
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Bomford, A.G. &		Biological Station (1957)	2579
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California. Cooperative Oceanic Fisheries Investigations (1958)	2555	Corlett, J. (1957)	2764
California University. Scripps Institution of Oceanography (1958)	2623 to 2628	Costa, R.L. & L.R. Molins (1957)	3091
Callan, H.G. (1957)	2758	Cot, P.D. (1958)	3176
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Capart, A. & J. Kufferath (1957)	2741	Cowper, T.R. (1958)	2675
Cape Town. Fishing Industry Research Institute (1958)	2574 2577	Cox, C.P. (1957)	2765
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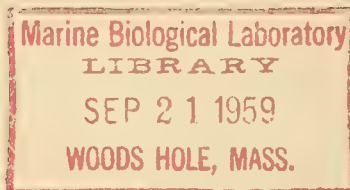


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Rome, May 1959

containing: taxonomic index 2(4), geographographic index 2(4), references  
and author index to, 59-3361 - 59-4500

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Errata

Annual Geographic Index:

556 Turkey 0774 0775 0778 0785 should read 556 Turkey 1774 1775 1778 1785  
0794 0799 1794 1799

Annual Taxonomic Index:

8,01 *Isochrysis* 5688 should read 7,32 *Isochrysis* 5688  
1,43 *Asterionella* 0335 2280 should read 7,43 *Asterionella* 0335 2280

582118 Wohlschag, D.E. should read Wohlschlag, D.E.

Please cancel 59-2124 and substitute:

Chemekov, Iu.F. (1957) 59-2124  
Bull.All-Un.geogr.Soc., 89:203-20  
O chetvertichnoi istorii Okhotskogo  
moria (On the quaternary history  
of the Okhotsk sea)

FAO:

M





Addenda

Berthois, L. (1957) 59-2257  
C.R.Acad.Sci., Paris, 245:558-9  
Granulométrie des sédiments carottés  
en Loire (Granulometry of cored  
sediments of the Loire)

Results of analysis of cores from 2  
regions & their comparison.

FAO:glk

F

Guilcher, A. (1958) 583463  
Methuen & Co., Ltd., London, 274 p.  
Coastal and submarine morphology

A translation, by R.H.W. Kneese & E.W.  
Sparkes of Cambridge Univ., from a  
French text which appeared in 1954, &  
to which a number of improvements have  
been made by the author. Contains  
chapters on forces acting on coasts;  
movements of shorelines; coastal  
features related to sea action;  
classification of coast; description  
of the reliefs & structures of  
continental shelf & deep-sea floor  
& their sediments.

FAO:tl

II



## Forward References

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59-4457	to	59-4456
59-4459	"	59-4458
59-3375	"	59-3374
59-4420	"	59-2032
59-4237	"	583246
59-4238	"	583239
59-4239	"	583245
59-4241	"	583811
59-4245	"	583249
59-4246	"	583801
59-4247	"	583802
59-4248	"	583237
59-4251	"	583804
59-4254	"	583810
59-4240	"	583805
59-4242	"	583241
59-4243	"	583242
59-4244	"	583247
59-4249	"	583238
59-4250	"	583803
59-4252	"	583807
59-4253	"	583808
59-4236	"	583244
59-3908	"	59-0390
59-3911	"	59-3908
59-4269	"	59-0390
59-4151	"	59-3012
59-4449	"	584845
59-4154	"	59-2032





## CCTA/CSA

A meeting of specialists on physical hydrology was convened by the Scientific Council for Africa South of the Sahara (CSA) at Bukavu, Belgian Congo, from 7 to 12 July 1958. The 27 participants included experts in meteorology as well as in other fields associated with hydrology. The meeting was mainly concerned with problems of the measurement of and research work on rainfall and evaporation, and with inter-African co-operation in physical hydrology. Various recommendations were made concerning the standardization of equipment for the measurement of rainfall and evaporation, in which member governments of the Commission for Technical Co-operation in Africa South of the Sahara (CCTA) were requested to carry out tests. An inter-African conference on hydrology is to be convened in Nairobi in 1961 by the CCTA/CSA.

## CIRM

The 25th meeting of the Technical Committee of the Comité international radio-maritime was held in London from 18 to 20 November 1958. Items included preparations for the next international conference on the safety of life at sea, and the standardization of code words and phrases for the maritime radio-telephone service. Under the discussion of this last item, examples were cited of the language difficulties which had been encountered in organizing rescue operations for both aircraft and ships. A CIRM study group submitted some proposals for overcoming these difficulties by the use of international code words and phrases and these will be communicated for study to all interested authorities.

## BELGRADE SEMINAR

The report of the Inter-regional Training Seminar on Hydrologic Forecasting and the Water Balance, held in Belgrade in October and November 1957, has now been published by the Federal Hydrometeorological Institute of the Federal People's Republic of Yugoslavia. The publication, which is attractively produced in offset, contains the texts of the lectures given at the seminar by the five consultants from the U.S.A. and the U.S.S.R.; a brief summary of these lectures was given in an earlier issue of the WMO Bulletin (Vol. VII, No. 1, pp. 10-14). Separate editions are available in English, French and Russian.

Copies of the publication have been distributed to all participants at the seminar and to all Members of WMO. We are informed that a limited number of additional copies are available and anybody wishing to obtain one should write to the Director, Hydrometeorological Institute, Kneza Milosa 26/V, Postal Box 604, Belgrade, Yugoslavia.





1,00	FISHES, GEN.	2548	2580	2630	1,28	Heterotis		2733
		2657	2658	2670	2676			
		2686	2780	2865	2876	1,31	Galaxias	2640
		2839	2952	2955	3036			
		3049	3088	3106	3138	1,38	CHARACINOIDEI	2874
		3201	3248	3249	3269			
		3270	3271	3288	3289	1,40	Abramis	2746 3044
		3290					Carassius	3175
1,02	Entosphenus			3234			Compostoma	2492
	PETROMYZONIDAE		2635	2636			CYPRINIDAE	3225
1,08	Galeus			3147			Cyprinus	2637 2857 3008
	Scyllium			2756			Leuciscus	2511
							Rutilus	2511
							Tinca	2524
1,10	RAJIDAE			2496	1,43	Anguilla anguilla	2612	3298
	TRIGONIDAE			2863		3299		
1,14	Protopterus			3173		Anguilla sp.		3083
1,15	Latimeria			3025		CONGRIDAE		2596
1,17	Acipenser			3093		Heteroconger		3064
	ACIPENSERIDAE	2725	3081	3209	1,48	GADIDAE		3300
	3210					Gadus callarias	2600 2770	2923
1,21	Clupea harengus	2689	2717	2768		3034	3301	to 3308
		2870	2917	2968		3310	3311	3312
		3077	3212	3319		Gadus merlangus	2870 3277	3302
		3340		to		3317	3318	
	Clupea sprattus	3060	3342	3343		Melanogrammus	3302 3313	3314
	Dorosoma			3186		3315		
	Engraulis, gen.			3082		Molva		2870
	Sardina			3341		Pollachius	3034 3302	3316
	Sardinops melanosticta			3189	1,57	Fundulus		2650
1,22	Chanos	2743	2901	2907		Lebistes		3196
						Xiphophorus		3196
1,23	Coregonus			2944	1,65	ATHERINIDAE		2648
	Leucichthys		2944	2969		MUGILIDAE		2865
	Oncorhynchus keta	2927	2962	2963	1,70	BRAMIDAE	2930	2947
	Oncorhynchus nerka		2961	2964		CARANGIDAE		2865
	Oncorhynchus sp.			2497		CICHLIDAE	2889	3072
	Plecoglossus			3190		Crenilabrus		2638
	Salmo gairdnerii			3087		Cyathochromis		2889
	Salmo salar	2485	2494	2512		Cynotilapia		2889
		2933	3345	to 3349		EMMELICHTHYIDAE		3019
	Salmo trutta	2513	2924	3163		Genyochromis		2889
	3221	3345				Gephyrochromis		2889
	SALMONIDAE	2500	2747	2973		Iabeotropheus		2889
	Salvelinus fontinalis			3016		Labidochromis		2889
1,24	Esox		2974	3188		Leiostomus		2939
						Lepomis	2674	2873
						Melanochromis		2889
						Perca fluviatilis	2536	3221
						Petrotilapia		2889
						Pomatomus		2865

## 1,70 (continued)

<i>Pseudotropheus</i>			2339
<i>Roccus</i>			2373
<i>Seriola</i>	2931	2932	2996
<i>Serranellus</i>			3156
<i>Tilapia</i>			2901
1,71 <i>Anarhichas</i>			3254
BLENNIIDAE			2585
<i>Chaenopsis</i>			2597
CLINIDAE			2595
<i>Malacoctenus</i>			2652
1,72 <i>Ammodytes</i>	2837		3278
BROTULIDAE			2584
<i>Carapus</i>			2684
<i>Gymnammodytes</i>			2604
1,74 <i>Lepidopus</i>			2773
<i>Ruvettus</i>			2794
1,75 <i>Makaira</i>			3195
<i>Pneumatophorus australasicus</i>			2905
<i>Pneumatophorus japonicus</i>			2905
3204			
<i>Rastrelliger</i>			2905
<i>Sarda</i>	2863	2864	2867
<i>Scomber colias</i>			2863
<i>Scomber scombrus</i>	2863		3344
1,77 GOBIIDAE			2903
<i>Gobius</i>			3084
1,78 <i>Sebastes</i>	3251	3252	3253
<i>Synanceja</i>			3158
1,80 <i>Euthunnus</i>			2910
<i>Germo</i>			3189
<i>Katsuwonus</i>	2871		2910
<i>Neothunnus</i>	2871		2910
THUNNIFORMES	2745		2866
<i>Thunnus thynnus</i>			2866
1,83 <i>Hippoglossus hippoglossus</i>			3250
<i>Limanda limanda</i>			3295
<i>Pardachirus</i>			3079
<i>Pleuronectes platessa</i>	3163		3273
to 3276	3292		3293
3294			
1,95 <i>Antennarius</i>			3146
1,99 FISHES, MISC.	2493	2495	2498
2504	2505	2508	2542
2582	2589	2598	2619

## 1,99 FISHES, MISC. (continued) 2639

2673	2675	2677	2682
2683	2713	2723	2732
2734	2735	2737	2738
2739	2741	2742	2744
2750	2756	2772	2774
2799	2840	2856	2892
2893	2897	2929	2935
2941	2943	2956	2958
2960	2967	2978	2979
2980	2982	2983	3011
3012	3029	3047	3059
3076	3090	3094	3119
3140	3149	3199	3215
3229	3230	3233	3255
3257	3275	3280	3281
3282	3291	3296	3297
3356	3357		
2,00 CRUSTACEANS, GEN.		2523	2548
2580	2630	2657	2658
2670	2676	2686	2779
2827	2865	2876	2889
2952	2955	3036	3100
3138	3201	3208	3248
3249	3269	to	3272
3289			
2,02 ANOSTRACA			2940
<i>Artemia</i>			2878
2,03 <i>Lepidurus</i>			3173
2,04 CONCHOSTRACA			3041
2,05 CLADOCERA		2632	3041
<i>Daphnia</i>			2529
<i>Simocephalus</i>			2529
2,06 OSTRACODA			3086
2,09 COPEPODA		2785	3050
2,10 <i>Acartia</i>			2916
<i>Bryocamptus</i>			2949
CALANIDAE			3042
CYCLOPIDAE			2631
<i>Nicothoe</i>		2603	3179
<i>Tisbe</i>			3104
2,12 CIRRIPIEDIA		2662	2957
2,13 <i>Balanus</i>		2836	3013
<i>Chthamalus</i>			3004
2,16 <i>Chthamalophilus</i>			3004

2,22	Leptocheilia			2709	3,00	MOLLUSCS, GEN.	2548	2580	2630
							2657	2658	2670
2,23	Anilocra			2758			2686	2779	2827
	Idotea			2914			2876	2889	2893
	Limnoria	2514		3055			2955	3036	3100
	Microcharon			2609			3201	3208	3248
	Sphaeroma			3005			3269	to	3272
	Synisoma			2680					3289
2,24	AMPHIPODA			3125	3,04	SCAPHOPODA			2667
	PHOXOCEPHALIDAE			2712					
2,25	STOMATOPODA	2664	2685	3065	3,05	GASTROPODA			3159
2,28	Alope			3355	3,07	Fissurella			3197
	ALPHEIDAE			2547		Patella	2530	2611	2911
	Leander	2509		3002		SCUTIBRANCHIATA		2533	2534
	NATANTIA	2502	2833	2834		Tegula			3197
	Palaemon		2748	3355		Trochus			2740
	PANDALIDAE			3092	3,09	Neptunea		2942	3235
	PASIPHAIDAE			3092		Olivella			3197
	Pandalus			2613		TOXOGLOSSA			2945
	Paratya			3355					
	PENAEIDAE		2865	2937	3,10	Meioceras			2570
	Penaeus	2570	3078	3144		Valvata			3023
	Racilius			2716					
2,29	Anapagurus			2659	3,14	Arion			2605
	Cancer			2510		VALLONIIDAE			2563
	Carcinus	2895		3009		VERTIGINIDAE			2563
	Clibanarius			3130	3,15	PELECYPODA	2546	2759	2828
	Diogenes			2659			3154		3056
	Homarus	2615		3214					
	Jasus			2541	3,16	Mytilus	2714	2836	2861
	Lithodes			2659		Ostrea	2643	2647	2902
	Maja			2895			3351	3352	2908
	Nephrops			3350		OSTREIDAE		2592	2620
	Pachygrapsus			3009		Placopecten			2909
	Pagurus			2659		Placuna			2387
	Pinnotheres			2909					2909
	PORTUNIDAE	3223		3226	3,17	ASTARTIDAE			3046
	Portunus			3223		Bankia			3055
	REPTANTIA			2925		Corbicula			2908
	Upogebia			2752		LUCINIDAE			2894
	XANTHIDAE	3223		3226		Mya			2836
						Soletellina			2908
2,99	CRUSTACEANS, MISC.	2487	2508			Teredo			3055
		2542	2569	2589		Venerupis			3051
		2651	2706	2737					
		2750	2756	2774	3,19	CEPHALOPODA			2559
		2892	2982	2983					
		3029	3058	3076	3,21	Loligo			2895
		3199	3229	3230		Octopus	2702	3053	3054
		3357		3233		Sepia			2758



3,99	MOLLUSCS, MISC.	2487	2503	2542	5,96	ASCIDIACEA		2661
		2569	2589	2590				
		2641	2737	2739	5,97	THALIACEA		3247
		2756	2774	2840				
		2893	2909	2983	5,99	CHORDATES, MISC.		2893
		3018	3029	3058				
		3119	3199	3229	6,00	PROTOZOA		2877
		3233	3357	3230				
4,00	MAMMALS, GEN.		2686	2698	6,03	MILIOLIDAE		2583
						RHIZOPODA	2724	3220
4,06	Callorhinus			2787	6,06	Myxobolus		2644
	Halichoerus			2788				
	ODOBAENIDAE	3038		3073	6,10	Cepedea		3143
	PHOCIDAE			3073		Opalina	3142	3143
	PINNIPEDIA			3207		Protoopalina	3142	3143
4,15	RODENTIA			2568	6,11	Balantidium		3142
						Condylostoma		3154
4,21	CETACEA	2499	2842	2843		HOPLOTOPHRYDAE		3080
		2959	3184	2953		Nyctotherus		3142
4,22	Delphinapterus			2786	6,13	PORIFERA		3098
	Tursiops			3143				
4,23	Balaenoptera physalus			3184	6,14	Leucosolenia		2896
	Balaenoptera sp.			2793		Petrobiona		3001
4,97	MAMMALS, AQUATIC	2544	2694	2954	6,15	Aegogropila		2755
4,99	MAMMALS, MISC.			2893	6,16	COELENTERATA	3058	3098
5,00	AMPHIBIANS, GEN.	2686	2758	2780	6,17	Branchiocerianthus		2994
						HYDROZOA	2759	2950
5,05	Plethodon			2938		Physalia		2527
5,07	SALIENTIA			2870	6,18	Atolla		2606
5,12	Rana			3142	6,19	Bellonella	0400	2669
						Minabea		2665
5,29	AMPHIBIANS, MISC.	2544	2893	2982	6,25	TREMATODES		2993
5,30	REPTILES, GEN.		2686	2780	6,27	Aphalloides		3084
						Cercaria		3023
5,31	Dermochelys			2920		Opisthorchis		2976
						Phyllodistomum		2975
5,49	REPTILES, MISC.	2544	2893	2983		Schistosoma		3159
5,62	PHALACROCORACIDAE			2638	6,28	CESTOIDEA		3089
						Diphyllbothrium		2829
5,87	BIRDS, AQUATIC	2544	2642	2686	6,30	CESTODES		2784
		2780	2791	2792				
5,94	TUNICATA			3098	6,31	NEMERTEA		2753
5,95	Fritillaria			2666	6,33	NEMATODA	2562	2830
	Tectillaria			2666				

6,37	<i>Brachionus</i>		2529	6,94	HOLOTHURIOIDEA		2919
	ROTATORIA	2551	2552 2691				
6,40	BRYOZOA		2921 3098	6,97	INVERTEBRATES, AQUATIC		2548
						2569 2580 2589 2630	
6,42	<i>Alcyonidium</i>		2693			2657 2658 2670 2676	
						2686 2774 2779 2827	
6,43	BRACHIOPODA		2781			2865 2876 2889 2893	
	<i>Cryptacanthia</i>		2754			2952 3012 3036 3100	
	<i>Lingula</i>		2891			3138 3201 3208 3248	
	<i>Platidia</i>	2613	2614			3249 3269 to 3272	
						3283 3289	
6,45	CHAETOGNATHA		2663	7,00	ALGAE, GEN.	2670 2676 2825	
						2865 2882 2889 2985	
6,48	POLYCHAETA	2681	2831			2992 3028 3036 3137	
						3248 3249 3269 3270	
6,49	<i>Harmothoe</i>		2862			3271 3288 3289	
	<i>Nereis</i>	2610	2862 2971	7,03	<i>Chlamydomonas</i>		2883
	<i>Paralacydonia</i>		2977		<i>Dunaliella</i>		2883
	SYLLIDAE		3066				
	<i>Trypanosyllis</i>		3006	7,08	<i>Blidingia</i>		3003
6,50	<i>Augeneriella</i>		2653		<i>Chlorochytrium</i>		3010
	<i>Desdemona</i>		2633		<i>Enteromorpha</i>		3003
	<i>Oriopsis</i>		2633		<i>Ulva</i>		2525
6,51	<i>Alma</i>		2715	7,11	<i>Acrosiphonia</i>		3010
6,52	GEPHYREA		2564		<i>Spongomorpha</i>		3010
					<i>Urospora</i>		3010
6,53	<i>Helobdella</i>		3023	7,16	DESMIDIACEAE		2672
6,63	<i>Colossendeis</i>		2835	7,17	<i>Caulerpa</i>	2655	3202
6,71	TAENIOPTERYGIDAE		2513		<i>Udotea</i>		2572
					<i>Vaucheria</i>		2904
6,76	<i>Tricorythus</i>		2561	7,32	<i>Chrysochromulina</i>		2617
6,82	<i>Ecnomus</i>		2519		<i>Isochrysis</i>		2883
	<i>Psychomyiellodes</i>		2519		<i>Monochrysis</i>		2883
					<i>Prymnesium</i>		2683
6,87	<i>Anopheles</i>		3145	7,41	BACILLARIOPHYCEAE	2516	2560
	<i>Cryptochironomus</i>		2831			2826	
6,89	ECHINODERMATA	3098	3205	7,43	<i>Asterionella</i>		2883
6,90	<i>Antedon</i>		3067		<i>Synedra</i>		2883
6,91	<i>Echinaster</i>		3007	7,52	<i>Rhodomonas</i>		2883
6,92	OPHIUROIDEA		3061	7,66	<i>Gymnodinium</i>		3165
					<i>Noctiluca</i>		2988
6,93	<i>Diadema</i>		2900	7,70	<i>Euglena</i>		3090
	ECHINOIDEA	2663	3224	7,71	PHAEOPHYCEAE	2783	3177
	<i>Paracentrotus</i>		2526	7,72	<i>Stictyosiphon</i>		2899
	<i>Psammechinus</i>		3206				
	<i>Strongylocentrotus</i>	3155	3157				

7,77	LAMINARIACEAE		2522	
7,78	Halopteris		3057	
7,80	Ascophyllum		2660	
	Fucus		3182	
	FUCALES		3027	
7,82	Porphyra	2965	2986	
7,83	Laurencia		2653	
7,85	Pterocladia		2521	
7,86	Cryptonemia		2521	
	Grateloupia		2520	
7,87	Gracilaria	2608	2616	
7,88	Antithamnion		2521	
7,95	Anabaena		2888	
	Nostoc		2884	
	Trichodesmium		2988	
7,99	ALGAE, MISC.	2515	2598	2601
		2629	2656	2872
		3159		2893
8,01	BACTERIA	2600	2885	2978
	Pseudomonas			3194
8,33	Ichthyophonus			3196
9,97	HIGHER PLANTS, AQUATIC	2598	2885	
		2992		
	AQUATIC EMBRYOPHYTES		2992	



100	AFRICA		2712	2715
111	Tunisia	2520	3149	3181
112	Algeria			2519
113	Morocco	2519	3149	3181
121	Libya			2519
122	UAR, Southern Region (Egypt)	2560	2579	3149
130	<u>Africa, E. Central</u>			2489
131	Kenya		2979	3195
132	Uganda			3215
133	Tanganyika			3195
141	Fr. W. Africa	2563	2637	2745
		3142	3143	3145
		3148		3147
142	Cape Verde Is.	2564	3147	3148
142	Port. Guinea	2564	3147	3148
143	Liberia	2563	2564	3147
144	Gambia	2563	2564	3147
144	Sierra Leone	2564	2661	2919
		3061	3147	3148
144	Ghana	2563	2564	3147
144	Br. Togoland	2563	2564	3147
		3148		
144	Fr. Togoland	2563	2564	3147
		3148		
145	Nigeria	2563	2564	3147
145	Br. Cameroons	2563	2564	3147
		3148		
146	Fr. Equatorial Africa			2563
146	Fr. Cameroons			2563
147	Belg. Congo	2562	2563	2564
		2741		
147	Ruanda-Urundi			2563
148	Sp. Guinea			2563
150	<u>Africa, S.</u>	2489	2706	2709
154	Union of S. Africa	2573	2574	2577
		2928	2945	2950
155	Mozambique			2950
156	Madagascar	2736	2742	3020
156	Federation of Rhodesia and Nyasaland			2747
163	New Amsterdam and St. Paul Is.			2735
200	NORTH AMERICA			
210	<u>Canada</u>	2601	2782	2811
		2956	3069	2860
211	Canadian Arctic			2954
212	British Columbia			2720
216	Newfoundland			2859
220	<u>USA (Alaska)</u>	2621	2787	2949
222	Aleutian Is.			2542
230	<u>USA</u>	2490	2492	2493
		2555	3021	3070
		3357		3114

231	Washington State			2586
232	California	2712	2875	2992
234	Nebraska			2568
234	Iowa	2673	2674	2676
234	Wisconsin	2934	2941	3188
234	Illinois			2967
234	Michigan			2861
235	Louisiana		3185	3186
235	Mississippi			2935
236	USA, New England		2491	2620
236	Massachusetts			2974
237	New York	2620	3047	3048
237	Virginia			2504
237	Pennsylvania			2754
238	N. Carolina			2876
238	S. Carolina			2939
238	Florida	2578	2751	3151
250	<u>Greenland</u>		2830	2832
		2834	2840	2841
		3301	3303	to
				3306
300	LATIN AMERICA			
311	Mexico			2585
314	Costa Rica			3183
320	<u>Caribbean Is.</u>			2794
321	Br. W. Indies			2559
321	Bahamas	2584	2595	2598
325	Puerto Rico		2562	2681
337	Neth. W. Indies			2559
331	Colombia			3112
342	Peru			3132
343	Chile			2546
353	Argentina	2647	2648	2760
		2853		
400	ASIA			
413	Israel		3149	3181
423	India	2712	2978	3036
425	E. Pakistan			2687
432	Thailand			2990
433	Malaya		2891	3011
433	Singapore			2737
435	New Guinea		2701	3357
437	Philippines	2902	2903	2905
		2906	2910	
451	Japan	2496	2575	2588
		2591	2667	2670
		2753	2755	2769
		2931	2932	2965
		2976	2996	3052
		3190	3219	3132
500	EUROPE			2565
510	<u>Scandinavia</u>			3125

511	Denmark	2508	2750	3119	3161
		3267	3274	3276	3284
		3291	3293	3303	3342
512	Faroe Is.		3302	3310	3313
513	Iceland	3242	3243	3244	3248
		3304	3307	3310	3316
		3323			
514	Norway	2858	2872	2904	2993
		2994	3059	3109	3113
		3321	3322	3325	3326
		3327			
515	Svalbard		2846	2847	2848
516	Sweden	2551	2552	3268	3286
		3296	3311		
517	Finland		3137	3138	3187
521	Netherlands		2678	3029	3230
		3333	3351	3352	
522	Belgium		3029	3149	3335
523	Luxembourg				3029
524	France	2525	2567	2583	2683
		3003	3013	3029	3086
		3173	3176	3181	3205
		3208	3354		
525	Monaco				3029
532	UK			2531	3270
533	England	2518	2535	2536	2580
		2607	2608	2609	2618
		2622	2632	2659	2717
		2892	2916	2952	2957
		3027	3028	3040	3163
		3220	3309	3317	3345
		3346	3347		
533	Wales	2986	3345	3346	3347
534	Scotland		2522	2657	2658
		2946	3023	3249	3264
		3269	3281	3313	3314
		3328	3329		
535	Northern Ireland		2509	to	
		2513	2672	3221	
541	Portugal				3341
541	Madeira				3092
542	Spain	3091	3149	3171	3181
543	Italy	3066	3097	3098	3100
		3150	3181		
551	Yugoslavia		2643	3150	3166
		3181			
553	Greece			3150	3181
554	Bulgaria				3166
555	Romania				3166
556	Turkey	2773	2863	2865	3150
		3181			
556	Anatolia			2774	2776
561	Federal Republic of Germany				
		2692	3042	3166	3218
		3273	3278	3279	3282

561	Federal Republic of Germany				
	(continued)	3285	3290	3305	
		3315	3316	3318	3330
		3331	3332	3348	
563	Austria				3166
572	Poland	3043	3044	3060	3287
		3312	3336	3343	
573	Czechoslovakia				3166
574	Hungary				3166
600	OCEANIA				
610	Australia	2554	2619	2634	
		2675			
612	Western Australia		2541	3035	
614	Victoria	2569	2638	2639	
		2641	2642	2649	
615	New S. Wales		2539	2540	
616	Queensland		2563	2655	
617	Tasmania		2677	2842	
620	New Guinea Trust Territory			3356	
621	N.E. New Guinea			3356	
623	Bougainville I.			3018	
630	New Zealand			3355	
650	Line Is.			2521	
660	Hawaiian Is.	2520	2557	3110	
670	Pacific Is. Strategic Trust Territory			2740	
681	Br. Solomon Is.			3018	
700	USSR	2745	3166	3349	
710	Russian F.S.S.R.		2732	2800	
		2812	2821	2823	2825
		2857	2962	2963	2980
		3093	3308	3320	
716	Novaya Zemlya			2801	
800	SPECIAL INTERCONTINENTAL REGIONAL GROUPINGS				
820	Antarctic Continent	2537	2796		
		2803	2804	2826	2849
		2850	2853	3160	
A	ATLANTIC OCEAN		2495	2515	
AN	Atlantic, N.	2727	2828	2918	
		3073	3107	3133	3238
		3239	3240	3250	to
		3256	3320	3322	
ANW	Atlantic, N.W.		2596	2601	
		2887	3172	3245	
ANW.02	Davis Strait			3245	
ANE	Atlantic, N.E.		2614	3232	
		3242	3243	3246	3248

ANE	Atlantic, N.E. (continued)			
	3257	3259	3267	3268
	3271	to	3275	3278
	to	3282	3308	3309
	3316	3325	to	3329
	3331	3333	3335	3350
ANE.01	White Sea			2836
ANE.02	Barents Sea	2792	2838	3077
	3241			
ANE.04	North Sea	2600	2700	3228
	3258	3260	to	3263
	3265	3266	3277	3314
	3315	3317	3318	3324
	3334	3337	3344	
ANE.05	Baltic Sea	2770	2926	3216
	3283	to	3299	3311
	3312	3336	3338	3339
	3340	3343		
ANE.10	Norwegian Sea	3077	3247	3321
ASW	Atlantic, S.W.		2596	2762
ASW.01	G. of Mexico		2930	3019
ASW.02	Caribbean Sea			3039
ASE.01	B. of Biscay			2606
ASE.02	Mediterranean Sea	3007	3180	
	3202	3213		
ASE.03	Mediterranean Sea, Western			
	2723	2914	2920	3001
ASE.05	Mediterranean Sea, Eastern			
	2920	3201		
ASE.08	Adriatic Sea		3101	3103
ASE.11	Sea of Azov			2697
I	INDOPACIFIC OCEAN	2495	2547	
	2571	3198		
IN	Pacific, N.	2497	2710	2722
	2798	2814	2828	3038
	3073			
IN.01	Japan Sea	2816	2958	3046
	3052			
IN.02	Sea of Okhotsk		2736	2771
	2816	2827	2958	3046
	3052			
IN.03	Bering Sea	2816	2818	2819
	2831	2958	3046	
IS	Tropical Indopacific	2763	2871	
ISW	Indian Ocean	2799	2817	2921
ISW.06	B. of Bengal		3000	3030
ISW.07	Andaman Sea	3000	3030	3108
	3111			
ISW.08	Mozambique Channel	2734	3223	
	3226			
ISEW	Indopacific, Central		2721	
	2778	3015		
ISEW.01	G. of Thailand		2987	2988
	2990	2991		
ISEW.02	S. China Sea		3111	

ISEW.04	E. China Sea	2816	5046	
ISEW.05	Yellow Sea	2816	2977	5046
ISEW.06	Inland Sea of Japan	2816	3046	
	3052			
ISEW.10	Java Sea			3111
ISEW.18	Coral Sea			2538
ISE	Pacific, S. E.	2855	3183	
ISE.02	G. of Panama		3017	

# P POLAR SEAS

PN	<u>Arctic Ocean</u>	2767	2783	2791
		2808	2810	2815
		2820	2822	2823
		2828	2843	2851
		3073	3316	2852

PN.01	N. Polar Basin		2813	
Pn.02	Kara Sea		2845	
PS	<u>Southern Ocean</u>	2785	2793	
PSE.02	Tasman Sea		2538	

# L INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS

L.11	<u>East African Lakes</u>	2523	2889	
		3041	3050	
L.21	<u>American Great Lakes</u>	2581	2969	
L.72	<u>Caspian Sea</u>		3093	
L.73	<u>Aral Sea</u>		2746	







Hochman, H. (1959) 59-3361  
Corrosion, 15:61-4  
Deterioration of wood by marine  
borers

Review of the resistance of creosoted  
wood to attacks at higher latitudes  
& failure to protect against attacks by  
Limnoria tripunctata in subtropical  
& tropical waters.

stl

M

Buşniţă, Th. (1958) 59-3364  
Bul.Inst.Cerc.piscic., 17(2):21-8  
Folosirea vegetaţiei acvatice ca  
îngrăşămint în eleştee şi bălţile  
amenajate (Use of aquatic  
vegetation as fertilizer in ponds and  
managed lakes). Fr Ru

Scientific & practical studies  
indicate that the use of aquatic  
vegetation in fishculture increases  
fish production in natural  
environments, & decreases from 20  
to 30 percent the net cost of the  
fish.

FAO:hr

F

Krotov, A.V. (1958) 59-3362  
Bul.Inst.Cerc.piscic., 17(2):9-20  
Rezervele principalelor specii de  
peşti din bazinul mărilor Neagră şi  
Azov (The stock of the main species  
of fishes of the Black and Azov seas).  
Fr Ru

Recent studies indicate that the  
stocks of fish of the Black Sea have  
increased & the stocks of the Azov  
sea decreased. In the Black Sea the  
increase of the stocks of planktonic  
fish, anchovy, sprat, alternate with  
the increase of stocks of predators,

Mirică, Gh. (1958) 59-3365  
Bul.Inst.Cerc.piscic., 17(2):29-37  
Rolul girlelor pescăreşti în  
valorificarea luncii inundabile a  
Dunării (The part played by fish  
canals in the utilization of the  
flooded region of the Danube).  
Fr Ru

A study of the control of the waters  
of the fish canals & its relation-  
ship & effect on the agriculture  
production of the area.

FAO:hr

F

59-3362  
(Card 2)  
bonitos, horse mackerel. Predictions  
of strength of stocks are made  
possible by the study of the biology  
of the spp.

FAO:hr

M

Cristea, A. & 59-3366  
N. Băleanu (1958)  
Bul.Inst.Cerc.piscic., 17(2):38-45  
Observaţii în legătură cu reţinerea  
şi evacuarea apei din insula Mare a  
Brăilei (Observations concerning  
the retention and exhaustion of  
waters of the complex insula Mare at  
Brăilei). Fr Ru

Contains recommendations for a system  
of control of waters to establish  
optimum utilization of fishery zones  
in the area.

FAO:hr

F

Popescu-Gorj, A. (1958) 59-3367  
Bul.Inst.Cerc.piscic., 17(2):46-56  
 Observațiuni privind efectivul piscicool  
 din complexul Borcea-de-Jos în toamna  
 anului 1957 (Observations on the  
 fish stocks of the complex Borcea-de-  
 Jos in the autumn 1957). Fr Ru

Contains proposals for clearing  
 obstructed canals which cause, by  
 retention of waters, high mortality  
 in fish nursery grounds mainly of  
 Abramids & Cyprinids.

FAO:hr

F

Călinescu, R. & 59-3370  
 A. Bunesu (1958)  
Bul.Inst.Cerc.piscic., 17(2):78-82  
 Răspindirea geografică a bizamului  
 (Ondatra zibethica L.) în R.P.R.  
 (Geographical distribution of the  
 muskrat, Ondatra zibethica L., in the  
 waters of Roumania). Fr Ru

A note on the present occurrence of  
 the sp. originally introduced from  
 USA into Czechoslovakia.

FAO:hr

F

Ecaterina, P., V. 59-3368  
 Ziemiankowski & A. Rotaru (1958)  
Bul.Inst.Cerc.piscic., 17(2):57-64  
 Citevia observații asupra fecundației  
 artificiale și dezvoltării embrionare  
 și postembrionare la văduviță  
 (Leuciscus idus L.) (Some  
 observations on the artificial  
 fertilization & embryonic & post-  
 embryonic development of ide, Leuciscus  
idus L.). Fr Ru

Gives percentage of hatching of dry  
 artificial fertilization, percentage  
 of survival of fry & juveniles, &  
 catch of adults.

FAO:hr

F

Marinescu, O. (1958) 59-3371  
Bul.Inst.Cerc.piscic., 17(2):83-5  
 Dragă apucătoare cantitativă pentru  
 fauna de fund (A quantitative  
 dredge for the benthic fauna).  
 Fr Ru

Description of the dredge &  
 particulars of operation.

FAO:hr

F

Popescu, L. (1958) 59-3369  
Bul.Inst.Cerc.piscic., 17(2):65-77  
 Contribuții la cunoașterea biologiei  
 plăticii Abramis brama (L) din delta  
 Dunării (Contribution to the  
 biology of the bream, Abramis brama L.,  
 of the delta of the Danube). Fr Ru

Briefly reviews growth, gives size &  
 age at first maturity, percentage of  
 maturation at different ages & sizes,  
 with notes on feeding & catch.

FAO:hr

F

Ivasik, V. (1958) 59-3372  
Bul.Inst.Cerc.piscic., 17(2):86-8  
 Influenta bolilor peștilor asupra  
 productivității eleșteelor și măsurile  
 de combatere (Influence of  
 parasitic diseases on the productivity  
 of ponds and measures for its control).  
 Fr Ru

Indicates the most frequent parasites  
 & their effect on productivity of fish  
 ponds in Ukraine, & successful  
 measures applied for their control.

FAO:hr

F

Couturier, A. (1959) 59-3373  
C.R.Acad.Sci., Paris, 248:2123-5  
Observations sur le polymorphisme des  
larves infectieuses chez les  
Mermithidae (Nématodes).  
(Observations on polymorphism of  
infectious larvae of Mermithidae,  
Nematods)

Describes polymorphic differences  
among larvae of various spp. not  
found among their adult forms.

FAO:hr

F

Longinov, V.V. (1957) 59-3376  
Trud.Inst.Okeanol., 21:47-106  
(Some observations on the deformation  
of a wave in the coastal zone under  
natural conditions). Ru

M

Gulland, J.A. (1958) 59-3374  
World Fish., 7(10):32-3  
Shall we double the catch of hake?

Reviews the past & present catches in  
the light of the operation of new  
motor trawlers & suggests conservation  
measures by controlling the amount  
of fishing & protecting the small fish.

FiB:hr

M

Loeb, H.A. (1958) 59-3377  
N.Y.Fish Game J., 5(1):66-76  
Comparison of estimates of fish  
populations in lakes

F

M.C. (1958) 59-3375  
Bol.Pesca, 11(61):45-7  
[Spanish translation of 59-3374]

Introductory notes on the need of  
conservation of the spp. by Portugal.

FAO:hr

M

Laszczynski, S. (1957) 59-3378  
Rep.Sea Fish.Inst.Gdynia, (9):705-38  
(Yield of Baltic catches in 1953-1954  
in the light of previous years).  
Pl En

M



Lewin, R.A. (1958) 59-3379  
Limnol.Oceanogr., 3(1):111-3  
The mucilage tubes of Amphipleura  
rutilans

Isolation & chemical analyses of cell  
residues & mucilage tubes of the  
diatom.

TL:tl

M

Ghiretti-Magaldi, A., 59-3382  
A. Giuditta & F. Ghiretti (1957)  
Biochem.J., 66:303-7  
A study of the cytochromes of Octopus  
vulgaris Lam.

Account of spectrophotometric &  
enzymic investigations for the  
presence of a cytochrome system, with  
description of a method of preparing  
isolated particles from the muscle of  
this sp.

FAO:efa

M

Hebb, C. (1957) 59-3380  
Nature, Lond., 180:627-8  
Chemical transmission of nerve  
impulses in vertebrates and  
invertebrates

Discusses subject as per title, with  
a brief account of experiments on crab  
& other crustacea.

GLK:efa

MF

Lovetskaia, A.A., V.P. 59-3383  
Ovsiannikov & N.I.Chiugunova (1957)  
Vop.Ikhtiolog., (7):139-48  
O razrabotke metodiki raspoznavaniia  
raznykh ryb na ekhogrammakh  
(The development of a method for  
identifying various fishes on  
echogrammes)

FAO:

MF

Fox, H. Munro (1957) 59-3381  
Nature, Lond., 179:873  
Haemoglobin in Branchiura

Reports absence of haemoglobin.

GLK:efa

F

Kutseva, L.S. & 59-3384  
V.N. Bukin (1957)  
C.R.Acad.Sci.U.R.S.S., 115:765  
Morskoe vodorosli i sapropeli kak  
istochniki vitamina B<sub>12</sub> (Sea algae  
and sapropels as sources of B<sub>12</sub>  
vitamin)

FAO:

M



Levi, C. (1958) 59-3385  
Ann.Inst.Océanogr., Paris, 34:3-46  
Campagne 1951-1952 en Mer Rouge.  
Spongiaires (1951-1952 campaign in  
the Red Sea - Spongiae)

M

Koreneva, E.V. (1957) 59-3388  
Trud.Inst.Okeanol., 22:221-51  
(Spore-pollen analysis of the bottom  
deposits of the Okhotsk sea). Ru

M

Kudinov, E.I. (1957) 59-3386  
Trud.Inst.Okeanol., 25:143-52  
(Vibro-piston core sampler). Ru

M

Isaeva, A.B. (1958) 59-3389  
Trud.Inst.Okeanol., 26:234-42  
(On the methods of silicon  
determination in sea water). Ru

M

Kozlianinov, M.V. (1957) 59-3387  
Trud.Inst.Okeanol., 25:134-42  
(A new device for the measuring of the  
optical properties of the sea-water).  
Ru

M

Jouset, A.P. (1957) 59-3390  
Trud.Inst.Okeanol., 22:164-220  
(Diatoms in the surface layer of the  
Okhotsk sea sediments). Ru

M

Kireeva, M.S. & 59-3391  
 T.F. Stschapova (1957)  
Trud.Inst.Okeanol., 23:125-37  
 (Materials on systematical composition  
 and biomass of the seaweeds and the  
 highest vegetation of the Caspian Sea).  
Ru

M

Irikhimovich, A.I. & 59-3394  
 A.M. Zelenin (1957)  
C.R.Acad.Sci.U.R.S.S., 114:655  
 Gistologicheskie izmenia gipofiza v  
 protsesse polovogo sozrevaniia karpa  
 (Histological changes occurring in  
 the pituitary body in the process of  
 sexual maturation of Cyprinus carpio)

F

Kireeva, M.S. & 59-3392  
 T.F. Stschapova (1957)  
Trud.Inst.Okeanol., 23:138-45  
 (The bottom vegetation of the  
 Krasnovodsk gulf). Ru

M

Kappers, J.A. (1957) 59-3395  
Pubbl.Staz.zool.Napoli, 29:41-70  
 On the problem of the presence of a  
 paraphysis cerebri in Selachians

M

Karandeeva, O.G. & 59-3393  
 M.A. Abrikosova (1957)  
C.R.Acad.Sci.U.R.S.S., 111:1385-7  
 Potreblenie kisloroda morskimi  
 bezpozvonochnymi v nekotorykh  
 usloviakh (Oxygen consumption by  
 sea invertebrates under definite  
 conditions)

M

Funk, G. (1957) 59-3396  
Pubbl.Staz.zool.Napoli, 29:126-38  
 Fruktifikationszeiten der Meeresalgen  
 bei Neapel (Fruiting periods of  
 the sea algae near Naples)

M

Korringa, P. & 59-3397  
H. Postma (1957)  
Pubbl.Staz.zool.Napoli, 29:229-84  
Investigations into the fertility of  
the gulf of Naples and adjacent salt  
water lakes, with special reference to  
shellfish cultivation

M

Kawarada, Y. & 59-3400  
M. Ohwada (1957)  
Oceanogr.Mag., 9(1):149-58  
A contribution of microplankton  
observations to the hydrography of the  
northern North Pacific and adjacent  
seas. I. Observations in the western  
North Pacific and Aleutian waters  
during the period from April to July  
1954

M

Koizumi, M. (1957) 59-3398  
Oceanogr.Mag., 9(1):43-9  
On the forecast of oceanographic  
conditions in the seas west of Japan

M

Edwards, R.L. (1958) 59-3401  
Comm.Fish.Rev., 20(8):10-5  
Gloucester's trawl fishery for  
industrial fish

FAO:

M

Kawamoto, T. (1957) 59-3399  
Oceanogr.Mag., 9(1):65-73  
On the oxygen-density correlation in  
the northwestern North Pacific ocean

M

Floor, J. (1957) 59-3402  
Visserijwereld, 16(24):6-7  
De Euromarkt en de Nederlandse  
Visserij (The Euro-market and the  
Netherlands fisheries)

MF

Forest, J. (1958) 59-3403  
Bull.Mus.Hist.nat., Paris, 30(3):285-90  
 Les pagures du Viet-Nam - II. Sur  
 quelques espèces du genre Calcinus  
 Dana (The hermit crabs from  
 Viet-Nam - On some species of the genus  
Calcinus Dana)

M

Hummel, R.W. (1957) 59-3406  
Analyst, 82(976):483-8  
 Determination of gold in sea water by  
 radioactivation analysis

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Fautrez, J. (1957) 59-3404  
J.Embryol.exp.Morph., 5(3):300-9  
 Contribution à l'étude de la  
 maturation et de la segmentation de  
 l'oeuf d'Aplysie (Contribution to  
 the study of maturation and  
 segmentation of the egg of Aplysia)

M

Hirai, E. & 59-3407  
 Y. Kakinuma (1957)  
Bull.Mar.biol.Sta Asamushi, 8(2-4):  
 55-7  
 Structure of the hydranth of  
Cladonema radiatum var. mayeri  
 Perkins at Asamushi

M

Finger, I. (1957) 59-3405  
J.Genet., 55(2):361-74  
 The inheritance of the immobilization  
 antigens of Paramecium aurelia,  
 variety 2

F

Genovese, S., F. Pichinoty 59-3408  
 & J.C. Senez (1957)  
Atti Soc.pelor.Sci.fis.mat.nat., 3:  
 303-19  
 Sui batteri solfato-riduttori del  
 lago di Faro (On the sulphate-  
 reducing bacteria of lake Faro)

F



Heavens, O.S. & 59-3409  
J.C. Kelly (1957)  
Lab.Pract., 6(4):209-12  
The measurement of radiation

MF

Hess, A., A.I. Cohen 59-3412  
& E.A. Robson (1957)  
Quart.J.micr.Sci., 98(3):315-26  
Observations on the structure of  
Hydra as seen with the electron and  
light microscopes

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Gail, R. (1957) 59-3410  
Quart.Bull.S.Pacif.Comm., 7(1):48  
Trochus fishing

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Hattop, H.-W. (1958) 59-3413  
Dtsch.FischZtg., (5):148-52  
Die Elektroden und deren Anordnung  
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electrode and their order in  
electric shock fishing)

F

Green, J. (1957) 59-3411  
Proc.zool.Soc.Lond., 129(2):245-54  
The feeding mechanism of Mesidotea  
entomon (Linn.) (Crustacea: isopoda)

M

Holm, A. (1957) 59-3414  
Fiskets Gang, (50):628-36; (51):648-57  
Lønnsomhetsundersøkelse for  
fiskefarkoster 1955 (Rentability  
investigations for fishing vessels,  
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M

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Fiskets Gang, (1):5-12  
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investigations for fishing vessels,  
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M

Iizuka, S. & 59-3418  
H. Irie (1957)  
Bull.Fac.Fish.Nagasaki Univ., (5):1-7  
(Studies on the oceanographic and  
planktological characteristics of the  
bay of Omura - IV. The relation of  
water masses and plankton flora).  
Ni En

M

Holm, A. (1957) 59-3416  
Fiskets Gang, (46):554-9  
Stortrålernes lønnsomhet 1956  
(Rentability of big trawlers in 1956)

M

Irie, H. (1957) 59-3419  
Bull.Fac.Fish.Nagasaki Univ., (5):8-12  
Pelagic amphipods in the western  
seas of Kyûsyû

M

Inglis, C.C. & 59-3417  
F.J.T. Kestner (1958)  
Min.Proc.Instn civ.Engrs, 9:193-216  
The long-term effects of training walls,  
reclamation, and dredging on estuaries

MF

Isouti, N. & 59-3420  
T. Kawakami (1957)  
Mem.Coll.Agric.Kyoto (Fish.Ser.no.7),  
(76):1-7  
Mechanical studies on the trolling  
gear - I. Estimation of the fishing  
depth

II

Kazihara, T. (1957) 59-3421  
Bull.Fac.Fish.Nagasaki Univ., (5):13-22  
(Ecological studies on young jack-  
mackerel, Trachurus japonicus (Temminck  
et Schlegel) with special reference to  
behaviour and feeding habit).  
Ni En

M

Hörstadius, S. (1957) 59-3424  
J.Embryol.exp.Morph., 5(1):60-73  
On the regulation of bilateral  
symmetry in plutei with exchanged  
meridional halves and in giant plutei

M

Eales, N.B. (1957) 59-3422  
Bull.Mus.Hist.nat., Paris, 29(3):246-55  
Revision of the species of Aplysia of  
the Muséum National d'Histoire  
naturelle (Malacologie), Paris

M

Knowles, G., R. Briggs 59-3425  
& G.V. Dyke (1957)  
Chem.Age, Lond., 78:722  
Continuous oxygen determination in  
rivers and effluents

F

Fisk, A. (1957) 59-3423  
Proc.zool.Soc.Lond., 128(2):267-78  
Experiments on the development of the  
acoustico-facialis complex and  
associated structures in the lamprey  
Lampetra planeri (Bloch)

F

Fujita, H., A. Kishimoto 59-3426  
& K. Ninomiya (1957)  
Mem.Coll.Agric.Kyoto (Fish.Ser.no.7),  
(76):9-15  
Some polyelectrolyte properties of  
sodium alginate - I. Swelling of  
sodium alginate gels in concentrated  
salt solutions

M

Gautier, Y. & 59-3427  
 J. Picard (1957)  
Rec.Trav.Sta.marit.Endoume, (12):28-40  
 Bionomie du Banc de Magaud (Est des  
 îles d'Hyères) (Bionomics of the  
 Magaud shelf, west of Hyères islands)

M

Labat, R. (1957) 59-3430  
Arch.Zool.exp.gén., 94(3):162-73  
 Observations sur le cycle annuel et  
 la sexualité de Paramysis nouveli et  
Paramysis bacescoi (Crustacés  
 Mysidacés) dans la région de Roscoff  
 (Observations on the annual cycle and  
 the sexuality of Paramysis nouveli  
 and P. bacescoi, Crustacea Mysidacea,  
 in the Roscoff region)

M

Krylov, Y.M. (1957) 59-3428  
Met.Gidrolog., (1):26  
 (On the connection between the  
 steepness and growth of waves produced  
 by wind). Ru

M

Hirai, E. & 59-3431  
 Y. Kakinuma (1957)  
Bull.Mar.biol.Sta.Asamushi, 8(2-4):49  
 Developmental cycle of Cladonema  
radiatum var. mayeri Perkins reared in  
 the laboratory

M

Kux, Z. & 59-3429  
 J. Libosvsky (1957)  
Zool.Listy, 6(3):215-24  
 (On the distribution and identification  
 of the European dogfishes, Umbra  
krameri Walbaum 1792 = Lacustris gross  
 1794). Cz

F

Hass, G. (1957) 59-3432  
Fischereiwelt, 9(10):85-6  
 Die Fischerei auf Sandspierlinge.  
 Ein neuer Betriebsweig der Kleinen  
 Hochseefischerei (Sand eel  
 fishery. A new industry of the small  
 high sea fishery)

M



Krauss, W. (1958) 59-3433  
Wiss.Ergebn.dtsch.atlant.Exped."Meteor"  
 5(3)  
 Temperatur, Salzgehalt und Dichte an  
 der Oberfläche des Atlantischen Ozeans.  
 Lief. 3. Untersuchungen über die  
 mittleren hydrographischen Verhältnisse  
 an der Meeresoberfläche des nördlichen  
 Nordatlantischen Ozeans  
 (Temperature, salt contents & density  
 on the surface of the Atlantic ocean.  
 Lief. 3. Investigations on the average  
 hydrographic conditions of the  
 northern North Atlantic ocean)

M

Kubo, I. (1957) 59-3436  
Kyoritsu Publ.Co., Tokyo  
 (Biological studies on fisheries  
 resources)

MF

Kolp, O. (1958) 59-3434  
Petermanns geogr.Mitt., 102(3):173-8  
 Sedimentsortierung und -umlagerung am  
 Meeresboden durch Wellen-wirkung  
 (Sorting and removal of sediments on  
 the sea bottom caused by wave action)

M

Kristensen, (1957) 59-3437  
Arch.néerl.Zool., 12(3):351-453  
 Differences in density and growth  
 in a cockle population in the Dutch  
 Wadden sea

M

King, J.E. (1957) 59-3435  
Ann.Mag.nat.Hist., 10(116):619-24  
 On a pup of the crabeater seal Lobodon  
carcinophagus

M

Hartman, W.L. (1958) 59-3438  
N.Y.Fish Game J., 5(1):1-8  
 The use of sedatives to reduce  
 manipulative error in measuring fish

M

Kuznetsov, V.V. (1957) 59-3439  
Zool.Zh., 36(3):321-7  
 (Perennial changes of biological  
 properties in some of the invertebrates  
 of the White Sea). Ru En

M

Kasahara, S. (1957) 59-3442  
Rep.Jap.Sea reg.Fish.Res.Lab., (3):  
 137-54  
 (A study on the surface flow in the  
 northern Japan Sea during the spring,  
 1955; with special reference to its  
 bearing upon the drift of sardine  
 eggs and larvae). Ni En

M

Ito, S. (1957) 59-3440  
Rep.Jap.Sea reg.Fish.Res.Lab., (3):53-9  
 (How many young sardines damaged by  
 cuttle-fishes?). Ni En

M

Kasahara, S. (1957) 59-3443  
Rep.Jap.Sea reg.Fish.Res.Lab., (3):  
 155-66  
 (Some considerations regarding the use  
 of drift envelopes for the  
 investigation of surface ocean currents,  
 with special reference to their  
 quality as compared with that of  
 drift bottles). Ni En

M

Ito, K. (1957) 59-3441  
Rep.Jap.Sea reg.Fish.Res.Lab., (3):  
 117-29  
 (On the relative growth of abdomen  
 and five paired thoracic appendages  
 of Zuwaigani, Chionoecetes opilio).  
Ni En

M

Höhnk, W. (1957) 59-3444  
Veröff.Inst.Meeresf., 5(1):124-34  
 Über Wuchsformen bei den Saprolegniaceen  
 (On the growth-forms of Saproleginales)

F

Larrañeta, M.G. (1957) 59-3445  
In "III Reunion sobre Productividad y Pesquerias", by Garcia del Cid, F.,  
 Instituto de Investigaciones Pesqueras  
 Castellon, 2-4  
 Referencias de la productividad  
 biologica en las pesquerias  
 (Connection between biological  
 productivity and fisheries)

MF

Janovskaia, G.J. (1957) 59-3448  
Trud.vsesoyuz.gidrobiol.Obshch., 7:163  
 (Feeding of copepods and their larvae  
 in the Black Sea). Ru

M

Larrañeta, M.G. (1957) 59-3446  
In "III Reunion sobre Productividad y Pesquerias", by Garcia del Cid, F.,  
 Instituto de Investigaciones Pesqueras,  
 Castellon, 22-5  
 Sobre las estadisticas de pesca en la  
 dinamica de poblaciones (The  
 importance of fisheries statistics for  
 the study of population dynamics)

MF

Fraga, F. (1957) 59-3449  
In Reunion sobre Productividad y Pesquerias, III, Castellon, 26-8  
 Nitrogeno organico suspendido y  
 disuelto en la Ria de Vigo (Organic  
 nitrogen suspended and dissolved in the  
 Ria de Vigo)

M

Gascoigne, T. (1957) 59-3447  
Trans.roy.Soc.Edinb., 63(1):129-51  
 Feeding and reproduction in the  
 Limapontiidae

M

Fortak, H. (1957) 59-3450  
Beitr.Geophys., 66(1):65-78  
 Zur allgemeinen Berechnung von  
 Suspensionsverteilungen in turbulenten  
 Strömungen (On the general  
 calculation of the distribution of  
 suspended particles in turbulent  
 currents)

M

Laughton, A.S. (1957) 59-3451  
Brit. Commun. Electron., 4:21  
Electronic flash illuminates the  
deep ocean

M

Kasahara, S. & 59-3454  
U. Oshima (1957)  
In Publ. of Prof. I. Amemiya, Univ.  
Tokyo Press, 3-10  
(Cultivation of the sea-bass,  
Lateolabrax japonicus, in brackish  
water farm ponds, with special  
reference to the production and food  
habits of the fish). Ni En

M

Forselius, S. (1957) 59-3452  
Zool. Bijdr., 32:93-597  
Studies of anabantid fishes - I. II.  
& III.

M

Glover, J. & 59-3455  
P.P. Shah (1957)  
Proc. biochem. Soc., 67(3):15P  
The biosynthesis of (<sup>14</sup>C)  $\beta$ -carpteme

M

Knight-Jones, E.W. (1957) 59-3453  
Univ. Coll. Swansea  
Marine biology in Wales. Inaugural  
lecture of the Professor of zoology  
delivered at the college on December  
4, 1956

M

Gogol', V.A. (1957) 59-3456  
Zool. Zh., 36:459  
Sistematicheskie priznaki gambuzii  
aklimatizirovannoi v Uzbekistane  
(Systematic characters of Gambusia  
acclimatized in Uzbekistan)

F



Hamon, B.V. & 59-3457  
N.L. Brown (1958)  
J.sci.Instrum., 35(12):452-8  
A temperature-chlorinity-depth  
recorder for use at sea

Description of the instrument, its  
use & accuracy.

:tl

II

Abrosimov, A.T. & al. (1958) 59-3460  
Soviet Phys.J.E.T.P., 34(5):746-54  
The structure of extensive air  
showers at sea level

The lateral distribution of electrons  
& of nuclear-active & nuclear-passive  
particles in extensive air showers  
containing from  $4 \times 10^4$  to  $4 \times 10^5$   
particles at sea level was studied by  
means of correlated hodoscopes.

:lb

M

Chesterman, W.D., P.R. 59-3458  
Clynick & A.H. Stride (1958)  
Acustica, 8(5):285-90  
An acoustic aid to sea bed survey

Description of a complementary method  
of charting small-scale topography  
& approximate determining of the types  
of sediments in shallow waters.

:tl

M

Heydorn, A.E.F. (1959) 59-3461  
Invest.Rep.Div.FishS.Afr., (36):279-331  
The South African pilchard (Sardinops  
ocellata) and maasbanker (Trachurus  
trachurus) - The Chaetognatha off the  
west coast of the Union of South  
Africa

Reports on the hydrography,  
occurrence & distribution of the  
various spp. of Sagitta, Pterosagitta,  
Krohnitta, Eukrohnia spp., in the  
research area, & possible correlations  
of occurrence of the spp. with  
hydrological conditions & relation-

Rossiter, J.R. (1958) 59-3459  
Proc.roy.Soc., 248A:482-98  
On the application of relaxation  
methods to oceanic tides

A numerical solution is obtained for  
the distribution of a tidal  
constituent in a narrow, meridional  
canal, bounded symmetrically near the  
poles, using the relaxation method of  
solving the partial differential  
equations governing tidal motion.

:lb

M

59-3461  
(Card 2)  
ship with commercially important  
spp. of fish.

FAO:hr

M

Jones, S. (1958) 59-3463  
J.zool.Soc.India, 9:121-9  
 Authorship of names of Indian fishes proposed in 'Histoire Naturelle des Poissons' by Cuvier and Valenciennes and recorded by Day

List of Indian fishes recorded by Day of which the names had been proposed by Cuvier & Valenciennes, the corresponding page & volume numbers in the 2 works being shown.

GLK:glk

MF

Ganapati, P.N. & 59-3466  
 K. Srinivasa Rao (1958)  
J.zool.Soc.India, 9:162-82  
 On the bionomics of Sardinella gibbosa (Blkr) off Waltair coast

Seasonal abundance; food & feeding habits; relation between food & plankton; length-weight relation; maturity & spawning; migrations; parasites.

GLK:glk

M

Rangarajan, K. (1958) 59-3464  
J.zool.Soc.India, 9:130-9  
 Development of the kidney in Oryzias melastigma McClelland

Histological account of the development of the pronephros, differentiation of the pronephric tubule, persistence of the pronephros in the adult, & development of the mesonephros.

GLK:glk

F

Seshadri, B. (1958) 59-3467  
J.zool.Soc.India, 9:183-91  
 Seasonal variations in the total biomass and total organic matter of the plankton in the marine zone of the Vellar estuary

Total biomass & total organic matter was estimated from the "settling volume of plankton-net catches". The tidal & seasonal variations revealed were analysed with regard to endemic & neritic elements; variations in phosphate content at low & high tide are discussed in relation to the variations in organic matter.

GLK:glk

MF

Krishnamoorthi, K.P. (1958) 59-3465  
J.zool.Soc.India, 9:153-61  
 A comparative study of protein-bound amino acids in the ovary and pituitary of Mystus seenghala (Sykes)

Qualitative & quantitative changes of the amino acids in 3 corresponding stages of growth of the ovary & pituitary.

GLK:glk

M

Menon, M.D. (1958) 59-3468  
J.zool.Soc.India, 9:200-7  
 On some abnormal sharks preserved at the marine biological station, West Hill

Anatomical notes on abnormal specimens of Scoliodon palasorrah C, Carcharhinus temmincki M.H., Carcharhinus menisorrah M.H., Hypoprion macloiti M.H., Carcharhinus dussumieri M.H.

GLK:glk

M

Kuthalingam, M.D.K. (1958) 59-3469  
J.zool.Soc.India, 9:208-15  
Life history and feeding habits of  
Cynoglossus lingua (Ham.Buch.)

Description of eggs & pro-larvae & of  
yoke absorption, colour change, growth  
in size after change into post-larvae,  
metamorphosis into juveniles & the  
general characteristics of the latter.  
Feeding habits & diet are described.

GLK:glk

M

Tokioka, T. & 59-3472  
L. Berner (1958)  
Pacif.Sci., 12:317-26

On certain Thaliacea (Tunicata) from  
the Pacific ocean, with descriptions  
of two new species of Doliolids

Description of Doliolina obscura,  
D. separata, D. intermedia, D.  
undulata & Doliopsoides horizoni, &  
comparison of the alimentary region of  
Cyclosalpa strongylenteron & C. bakeri.

FAO:glk

M

Chu, W.T.C. (1958) 59-3470  
Pacif.Sci., 12:299-312  
Pacific area distribution of fresh-  
water and marine cercarial dermatitis

Attempt to summarize from the  
literature the important facts  
concerning the vectors & reservoir  
hosts of cercarial dermatitis & to  
emphasize the distribution &  
transmission of both fresh-water &  
marine schistosomes in various parts  
of the Pacific.

FAO:glk

M

Randall, J.E. (1958) 59-3473  
Pacif.Sci., 12:327-47  
A review of the labrid fish genus  
Labroides, with descriptions of two  
new species and notes on ecology

Key to the spp. of Labroides;  
description of each established sp.,  
with ecological notes, & of L. phthiro-  
phagus sp.nov. & L. rubrolabiatus  
sp.nov.

FAO:glk

M

Gilmartin, M. (1958) 59-3471  
Pacif.Sci., 12:313-6  
Some observations on the lagoon  
plankton of Eniwetok Atoll

Tabulation of constituents by haul.

FAO:glk

M

Winkler, L.R. (1958) 59-3474  
Pacif.Sci., 12:348-9  
Metamorphosis of the shell in the  
California sea hare, Aplysia californ-  
nica Cooper

Morphological description & discussion  
of implications, of features described,  
with regard to length of swimming  
stage, existence of a gastropodlike  
crawling stage, & division of the  
metamorphic stage.

FAO:glk

M



Mago Zucchi, F. (1958) 59-3475  
Bull.Mar.Sci.Gulf Caribb., 8:299-341  
The comparative osteology of the  
scombroid fishes of the genus Scombero-  
morus from Florida

3 spp. of Scomberomorus found in  
Florida, the Spanish mackerel, S.  
maculatus, the cero or painted  
mackerel, S. regalis, & the king  
mackerel or kingfish, S. cavalla, are  
the subject of a comparative osteo-  
logical study. A brief discussion of  
the possible relationships within the  
genus & possible relations of Scombero-  
morus to other genera is presented.

FAO:fml

M

Morrow, J.E., Jr. (1958) 59-3478  
Bull.Mar.Sci.Gulf Caribb., 8:356-9  
Names of the blue marlin and black  
marlin

Examination of type material in the  
British Museum (Natural History)  
allowed identification of older names  
with currently accepted spp. The  
Atlantic blue marlin is named Makaira  
herschellii Gray, dating from 1838. The  
Pacific black marlin is named  
Istiompax brevirostris Playfair, dating  
from 1806. Brief diagnoses &  
synonymies are given.

FAO:jem

M

Meyers, S.P. & 59-3476  
E.S. Reynolds (1958)  
Bull.Mar.Sci.Gulf Caribb., 8:342-7  
A wood incubation method for the study  
of lignicolous marine fungi

Determination through a process of  
controlled incubation of fungal  
infested wood, using sterilised glass  
chambers, of the time of attack upon  
submerged wood.

FAO:glk

M

Robins, C.R. (1958) 59-3479  
Bull.Mar.Sci.Gulf Caribb., 8:360-8  
Studies on fishes of the family  
Ophidiidae - I. A new species of  
Lepophidium from the Caribbean Sea

A new sp. of Lepophidium (Pisces:  
Ophidiidae) is described from the  
western Caribbean. The holotype of L.  
jeannae Fowler is redescribed &  
additional features discussed. Other  
spp. of Lepophidium are briefly  
discussed & the 1st gill arch of  
various Atlantic spp. is ill.

FAO:crr

M

Parrish, F.K. (1958) 59-3477  
Bull.Mar.Sci.Gulf Caribb., 8:348-55  
Miscellaneous observations on the  
behaviour of captive sea turtles

The behaviour of 4 spp. of sea turtles  
which were observed for 4 & one half  
months in the tanks at Marineland,  
Florida, is reported. The turtles were  
not aggressive, showed definite  
respiratory patterns, & exhibited  
varying degrees of territoriality.  
Feeding, sleeping, swimming, & other  
behaviour characteristics are discussed.

FAO:fkp

M

Voss, G.L. (1958) 59-3480  
Bull.Mar.Sci.Gulf Caribb., 8:369-89  
The cephalopods collected by the R/V  
ATLANTIS during the West Indian cruise  
of 1954

Report based on a collection of  
cephalopods made by the Woods Hole  
Oceanographic Institution's research  
vessel ATLANTIS in the West Indies in  
1954. The collection consists of 83  
specimens representing 17 genera & 18  
app. of which one genus, Selenoteuthis,  
& 2 spp., S. scintillans & Abralia  
grimeai, are new to science.

FAO:glv

M



Gidumal, J.L. (1958) 59-3481  
Hong Kong Univ.Fish.J., (2):1-6  
 A survey of the biology of the grass carp, Ctenopharyngodon idellus (Cuvier and Valenciennes)

Describes collection, distribution & rearing of fry, & discusses control of predators & parasites, food & growth in ponds, with observations on gonads.

FAO:tjj

F

Chau, Y.K. (1958) 59-3484  
Hong Kong Univ.Fish.J., (2):37-41  
 Some hydrological features of the surface waters of the Pearl river estuary between Hong Kong and Macau

Curves interpreting mixing of chlorinity & temperature between the estuarine & the oceanic waters based on data collected by commercial vessels during March 1955-December 1957.

FAO tjj

MF

Chow, T. (1958) 59-3482  
Hong Kong Univ.Fish.J., (2):7-28  
 A study of water quality in the fish-ponds of Hong Kong

Data of temperature, chlorinity, pH, dissolved oxygen, free carbon dioxide, phosphorus, & turbidity at each pond during a period of seventeen months in 1954-55 recorded & discussed, with maps, graphs, histograms & tables. Relation of water temperature to diseases due to flukes & Lernaeocera discussed. Plankton analysed to indicate productivity.

FAO:tc

F

Chau, Y.K. & 59-3485  
 R. Abesser (1958)  
Hong Kong Univ.Fish.J., (2):43-58  
 A preliminary study of the hydrology of Hong Kong territorial waters

Observations during March 1954-November 1955 on the periodicity of salinity, temperature, dissolved oxygen & pH corresponding to the intensity of the fluvial discharge with a maximum in June-August & a minimum in December-March are discussed.

FAO:tjj

M

Chow, T. (1958) 59-3483  
Hong Kong Univ.Fish.J., (2):29-36  
 Growth characteristics of four species of pondfish in Hong Kong

Compares length/weight relationships for Mugil cephalus, Ctenopharyngodon idellus, Cirrhina molitorella & Hypophthalmichthys molitrix with theoretical values on the bases  $W = cL^n$  &  $W = K \times 10^{-5} L^3$  & derives K for the species during June-Dec., 1956 from the formula  $K = 100W/L^3$ .

FAO:tjj

F

Kwan-Ming, L. (1958) 59-3486  
Hong Kong Univ.Fish.J., (2):59-69  
 Age determination in the Hong Kong wave sea bream, Taia tumifrons (Tanaka and Schlegel)

Scale & length frequency studies with Peterson graphs drawn from monthly samples obtained from the Aberdeen wholesale market.

FAO:tjj

M

Chu, C.Y. (1958) 59-3487  
Hong Kong Univ.Fish.J., (2):71-92  
An analysis of the fishing operations  
of a pair of trawlers based on Hong  
Kong from 1949 to 1952

Annual & seasonal catch statistics  
considered in terms of important spp.,  
total catch & catch per unit fishing  
effort on nine block sections in 3  
main trawling grounds.

FAO:tjj

M

Romer, J.D. (1958) 59-3490  
Hong Kong Univ.Fish.J., (2):127-9  
Cetaceans recorded from within or near  
Hong Kong territorial waters

Records of occurrence of Delphinus  
delphis, Neomeris phocaenoides,  
Balaenoptera physalus.

FAO:

M

Bromhall, J.D. (1958) 59-3488  
Hong Kong Univ.Fish.J., (2):93-107  
On the biology and culture of the  
native oyster of Deep Bay, Hong Kong,  
Crassostrea sp.

Studies on adaptation to cycles of  
temperature & salinity & on  
development from spat to maturity  
& through second winter. Advantages &  
limitations of "hanging drop" method  
of culture in comparison with other  
methods are also discussed.

FAO:tjj

M

Romer, J.D. (1958) 59-3491  
Hong Kong Univ.Fish.J., (2):129  
Occurrence of the sea snake Hydrophis  
ornatus ornatus (Gray) near Hong Kong

Record of occurrence of 3 females  
of 997, 900 & 1, 050 mm total length.

FAO:hr

M

Adal, M.N. (1958) 59-3489  
Hong Kong Univ.Fish.J., (2):125-7  
A collection of molluscs from Cape  
d'Aguilar

A short check list with notes on  
habitats of the spp.

FAO:hr

M

Chiu, B.T. (1958) 59-3492  
Hong Kong Univ.Fish.J., (2):132-3  
Seaweeds of economic importance in  
Hong Kong

A note on seasons, harvesting,  
processing, utilization, prices of  
Sargassum, Porphyra suborbiculata,  
Turbinaria, Ulva, Gloiopeltis, Hypnea,  
Laminaria, Nostoc commune & others.

FAO:hr

MF

Ganapati, S.V. (1957) 59-3493  
Arch. Hydrobiol. (Plankt.), 53(1):30-61  
 Limnological studies of two upland  
 waters in the Madras state

F

De Buen, F. (1958) 59-3496  
Rev. Biol. mar., Valparaíso, 8(1-2-3):  
 83-110

Peces de la superfamilia Clupeoidae  
 en aguas de Chile (Fishes of the  
 super-family Clupeoidae of Chilean  
 waters)

Taxonomic descriptions of spp. of the  
 genera Clupea, Sardinops, Brevoortia &  
Engraulis & some notes on the biology  
 of the spp.

GLK:hr

M

Fischer, W.K. (1958) 59-3494  
Rev. Biol. mar., Valparaíso, 8(1-2-3):  
 3-24  
 Primeras fases del desarrollo del  
 blanquillo (Prolatilus jugularis)  
 Cuv. et Val. (Pisces) (First  
 developmental phases of the blanquillo,  
Prolatilus jugularis Cuv. et Val.,  
 Pisces)

Describes early phases of development  
 up to prelarva 4,2 mm long from  
 plankton & artificial fertilization.

GLK:hr

M

Fischer, W.K. (1958) 59-3497  
Rev. Biol. mar., Valparaíso, 8(1-2-3):  
 111-24

Huevos, crias y primeras prelarvas  
 de la 'Anchoveta' (Engraulis ringens)  
 Jenyns (Eggs, vitelic larva and  
 first prelarvae of 'Anchoveta',  
Engraulis ringens Jenyns)

Description of the initial stages up  
 to 5,4 mm from incubated & plankton  
 material.

GLK:hr

M

Fagetti, E.G. (1958) 59-3495  
Rev. Biol. mar., Valparaíso, 8(1-2-3):  
 25-82  
 Investigaciones sobre quetognatos  
 colectados, especialmente, frente a la  
 costa central y norte de Chile  
 (Investigation of chaetognatha from the  
 central and northern coasts of Chile)

Qualitative & quantitative study  
 comprising a key for the identification  
 of spp. & genera, taxonomic  
 description of the spp., & state on  
 their distribution, ecology & abundance.

GLK:hr

M

Fagetti, E.G. (1958) 59-3498  
Rev. Biol. mar., Valparaíso, 8(1-2-3):  
 125-31

Quetognato nuevo procedente del  
 archipielago de Juan Fernandez  
 (New chaetognatha from the Juan  
 Fernandez archipelago)

A taxonomic description of Sagitta  
selkirki sp. nov.

GLK:hr

M



Parmenio Yáñez, A. (1958) 59-3499  
Rev.Biol.mar., Valparaiso, 8(1-2-3):

133-42

Sobre la presencia de Rhincalanus  
nasutus Giesbrecht (Copepoda,  
Calanoida) en la bahia de Valparaiso  
(On the occurrence of Rhincalanus  
nasutus Giesbrecht, Copepoda,  
Calanoida, in the bay of Valparaiso)

A comparative taxonomic study of  
R. nasutus & R. gigas.

GLK:hr

M

Etcheverry, H.D. (1958) 59-3502  
Rev.Biol.mar., Valparaiso, 8(1-2-3):

153-74

Algas marinas chilenas productoras  
de ficocoloides (Chilean marine  
algae producers of phycocolloids)

Discusses the chemical composition  
& phycocolloids of algae, methods of  
algae harvesting, & lists the spp.  
of rodophyts, & a pheophyt that  
produces agar & algin.

GLK:hr

M

Fagetti, E.G. (1958) 59-3500  
Rev.Biol.mar., Valparaiso, 8(1-2-3):

143-7

Dos especies de moluscos planctonicos  
(Heteropoda) encontrados frente a la  
costa de Chile (Two species of  
planktonic molluscs, Heteropoda, found  
in the coast of Chile)

Notes on taxonomy & distribution of  
Fioloida desmaresti & Pterotrachea  
coronata.

GLK:hr

M

Brown, T.M. (1959) 59-3503  
Canad.J.Econ.pol.Sci., 25(1):23-33

Some recent econometric developments

An attempt to give the interested  
economist who is not an econometrician  
a general picture of some of the  
developments in the specialized field  
of econometrics. It is hoped thereby  
to enable him to see how this field  
is related to the general science of  
economics, & how he may be able to  
make use in his own work of the results  
obtained in econometrics.

FAO:tmb

G

Cubillos, R.M. (1958) 59-3501  
Rev.Biol.mar., Valparaiso, 8(1-2-3):

149-51

Determinacion cualitativa del fierro  
en conchas y caparazones de algunos  
animales marinos de Montemar  
(Qualitative determinations of iron in  
shells and carapaces of some marine  
animals of Montemar)

Gives method & results of determination  
of ferric & ferrous ions in several  
spp. of molluscs, crustaceans,  
echinoderms & others.

GLK:hr

M

Steinhaus, E.A. & 59-3504  
R.F. Smith (Ed.) (1959)

Annual Rev.Inc., Palo Alto, 467 p.  
Annual review of entomology vol. 4

Contains various references to aquatic  
insects & subjects of general interest  
to fishery biologists, incl. (see  
59-3505) the use of fish in the biology  
assay of insecticides.

FiB:glk

F



Nagasawa, S. (1959) 59-3505  
Annu.Rev.Ent., 4:319-42  
Biological assay of insecticide residues

Review of development in methodology of use of small fishes in bio-assay of insecticidal material of chemical origin & for determination of insecticidal residues.

FiB:glk

F

Charpy, B. (1958) 59-3508  
Bull.franç.Pisc., 31(190):25-39  
La production de Tilapia calibrés  
(Controlled production of Tilapia)

Considerations & description of a method for size control of cultivated T. melanopleura & T. macrochir.

GLK:hr

F

Chimits, P. (1958) 59-3506  
Bull.franç.Pisc., 31(190):5-12  
Frayères artificielles pour salmonidés  
(Artificial spawning grounds for salmonids)

Considers natural spawning grounds & spawning problem of salmonid rivers without sufficient natural spawning grounds, artificial spawning sites, spawning boxes, & a new method of restocking.

GLK:hr

MF

P.V. (1958) 59-3509  
Bull.franç.Pisc., 31(190):40  
Les crustacés d'eau douce de Madagascar  
(Freshwater crustaceans of Madagascar)

A short note on crustaceans - Astacoides madagascariensis, Telphusa madagascariensis, T. goudoti, Hydrotelphusa agilis - of food value for rainbow trout & local population. Refers also to introduction of fresh water spp. of fish, Mictopterus salmoides & Salmo gairdnerii.

GLK:hr

F

de Lachadenède, P. (1958) 59-3507  
Bull.franç.Pisc., 31(190):13-24  
Les gaves - Les saumons - Les échelles  
(Torrents, salmon, & fish ladders)

Considers different types of ladders in different torrents.

GLK:hr

F

Lietmann, H. (1959) 59-3510  
Allg.FischZtg., 84:107-8  
Beobachtungen, Erfahrungen und Gedanken über das Problem der Umweltwirkung in der Karpfenzucht  
(Observations, experiences and ideas on environmental factors occurring in carp culture)

General discussion on culture problems with regard to environmental factors.

FAO:dr

F

Lagler, K.F. (1959) 59-3511  
Allg.FischZtg., 84:127-30  
Verscheuchen Motorboote die Fische?  
(Do motor boats drive off fish?)

Discussions on the influence of motor sport to fish populations & its natural behaviour.

FAO:dr

F

Schemainda, R. (1958) 59-3514  
Fischereiforschung, 1(5):20-1  
Betrachtungen zur Laichdorschseason 1959  
(Considerations on the spawning season of cod during 1959)

Catch prognosis for southern Baltic sea.

FiB:dr

M

von Brandt, A. (1959) 59-3512  
Allg.FischwirtschaftZtg., 11(4):15-6  
Schleppnetzbestimmungen und Nordseekonvention (Trawl regulations and North Sea convention)

Reports briefly on possible effects of mesh-sizes on Atlantic & North Sea fish stocks.

FAO:dr

M

Rose, S.M. (1958) 59-3515  
Sci.Amer., 199(6):36-41  
Feedback in the differentiation of cells

Popular ill. account incl. discussion of regeneration in Hydra, Sabella & Tubolaria.

FAO:sjh

MF

Freund, K. (1958) 59-3513  
Fischereiforschung, 1(5):18-20  
Zur Fischerei an der Labradorküste (On the fisheries off the coast of Labrador)

Reviews fishing possibilities, describes composition of catch & compares redfish populations with these of other fishing grounds.

FiB:dr

M

Keynes, R.D. (1958) 59-3516  
Sci.Amer., 199(6):83-90  
The nerve impulse and the squid

Popular ill. account of experiments on nerve physiology of Loligo.

FAO:sjh

M

Ishiguro, S. (1959) 59-3517  
Phil.Trans., 251A(996):303-40  
 A method of analysis for long-wave phenomena in the ocean, using electronic network models - I. The earth's rotation ignored

A phenomenon to be analyzed is assumed to be 'response' resulting from an 'excitation' on the 'system' & the relations between these are analyzed.

slb

II

Prasad, R.R. & 59-3520  
 P.R. Sadasivan Tampi (1957)  
J.zool.Soc.India, 9(1):22-39  
 Notes on some decapod larvae

Describes the 1st larval stages of Pinnotheres ridgewayi, Menippe rumphii, Pilumnus longicornis, Chlorodius niger, Eucrate crenate, Elamena sindensis, Alpheus rapacida, A. strenuus, Leander semmelinki & Anchistus inermis.

GLK:wad

M

Anonymous (1958) 59-3518  
World Fish., 7(10):30-1  
 Australian prawn trawling industry's promising future

Description of fishing techniques with statistics of production.

FiB:glk

M

Krishnakumaran, A. (1957) 59-3521  
J.zool.Soc.India, 9(1):40-9  
 Structure and chemical nature of the cuticle in Penaeus indicus M.Ed. (Decapoda; crustacea)

Contents as per title.

GLK:wad

MF

Motwani, M.P. & 59-3519  
 A. David (1957)  
J.zool.Soc.India, 9(1):9-15  
 Fishes of the river Sone with observations on the zoogeographical significance  
  
 Presents a list of 95 spp. recorded from the Sone drainage, India, 85 of which were collected in 1952-53 between Mahadewaghat & Dehri.

Dehadrai, P.V. (1957) 59-3522  
J.zool.Soc.India, 9(1):50-61  
 On the swim-bladder and its relation with the internal ear in genus Notopterus (Lacépède)

Describes its anatomy & the variations in different spp. of the genus.

GLK:wad

F

GLK:wad

F



Dalal, N.M. (1957) 59-3523  
J.zool.Soc.India, 9(1):99  
Heteromorphic regeneration of  
flagellum in place of eye in the  
lobster Panulirus polyphagus (Herbst)  
(Crustacea: decapoda)

Describes & ill. this phenomenon.

GLK:wad

M

Fridriksson, A. (1957) 59-3526  
Ann.biol., Copenhagen, (12):7  
Annales biologiques - Preface

GLK:

MF

Rangarajan, K. (1957) 59-3524  
J.zool.Soc.India, 9(1):100-1  
Burrowing habits of Alpheus  
malabaricus, Fabricius

A description based on laboratory  
study of specimens dredged from the  
Vellar estuary, S.India.

GLK:wad

MF

Tåning, Å.V. (1957) 59-3527  
Ann.biol., Copenhagen, (12):9  
Distant northern seas - Introduction

GLK:

M

ICES (1957) 59-3525  
Copenhagen, 231 p.  
Annales biologiques no. 12

GLK:

MF

Krauss, W. (1957) 59-3528  
Ann.biol., Copenhagen, (12):12  
New monthly mean charts of the  
northern North Atlantic ocean

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Lee, A.J. (1957) 59-3529  
Ann.biol., Copenhagen, (12):13-23  
Hydrographic conditions in the Barents  
sea in 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Stefánsson, U. (1957) 59-3532  
Ann.biol., Copenhagen, (12):28-33  
Hydrographic conditions north and  
north-east of Iceland 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Krauss, W. (1957) 59-3530  
Ann.biol., Copenhagen, (12):24  
Hydrographic conditions in the north-  
west and northern Norwegian waters  
in November-December 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Hermann, F. (1957) 59-3533  
Ann.biol., Copenhagen, (12):33-5  
Sections Faroes to East Greenland  
and Cape Farewell to West Ireland

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Hermann, F. (1957) 59-3531  
Ann.biol., Copenhagen, (12):26  
Hydrographic conditions in the southern  
part of the Norwegian Sea, June 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Dietrich, G. (1957) 59-3534  
Ann.biol., Copenhagen, (12):36-7  
Stratification and circulation of the  
Irminger Sea in June 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Krauss, W. (1957) 59-3535  
Ann.biol., Copenhagen, (12):38-9  
Hydrographic investigations by the R/V  
ANTON DOHRN in Greenland waters,  
September-October 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Fraser, J.H. (1957) 59-3538  
Ann.biol., Copenhagen, (12):44  
Scottish plankton investigations  
in 1955

Part of 'Distant Northern Seas -  
Environment - Plankton'.

GLK:

M

McIntyre, A.D. & 59-3536  
J.H. Steel (1957)  
Ann.biol., Copenhagen, (12):40  
Hydro-biological survey in Denmark  
strait, May 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Sigurdsson, A. (1957) 59-3539  
Ann.biol., Copenhagen, (12):45-8  
Marking experiments on plaice in  
Faxa bay in 1953 and 1954

Part of 'Distant Northern Seas -  
The Fish - Plaice'.

GLK:

M

Hermann, F. (1957) 59-3537  
Ann.biol., Copenhagen, (12):41-3  
Hydrographic conditions in the eastern  
part of the Labrador Sea and the Davis  
Strait, 1955

Part of 'Distant Northern Seas -  
Environment - Hydrography'.

GLK:

M

Magnússon, J. (1957) 59-3540  
Ann.biol., Copenhagen, (12):49-52  
Icelandic redfish investigations in  
1955

Part of 'Distant Northern Seas -  
The Fish - Redfish'.

GLK:

M



McIntyre, A.D. (1957) 59-3541  
Ann.biol., Copenhagen, (12):52  
Redfish caught by Scottish research  
vessels

Part of 'Distant Northern Seas -  
The Fish - Redfish'.

GLK: M

Hult, J. (1957) 59-3544  
Ann.biol., Copenhagen, (12):56-7  
Near northern seas - Introduction

GLK: M

Rae, B.B. & 59-3542  
E. Wilson (1957)  
Ann.biol., Copenhagen, (12):55  
Rare fishes from distant northern  
seas - Scotland

Part of 'Distant Northern Seas -  
The Fish - Rare Fish'.

GLK: M

Tait, J.B. (1957) 59-3545  
Ann.biol., Copenhagen, (12):58-9  
Near northern seas and approaches

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Brandes, C.H., A. Kotthaus 59-3543  
G. Krefft (1957)  
Ann.biol., Copenhagen, (12):54-5  
Rare fishes from distant northern  
seas - Germany

Part of 'Distant Northern Seas -  
The Fish - Rare Fish'.

GLK: M

Craig, R.E. & 59-3546  
D.J. Slinn (1957)  
Ann.biol., Copenhagen, (12):59  
Hydrographic observations off the  
Scottish west coast and the northern  
Irish Sea, autumn 1955

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Craig, R.E. (1957) 59-3547  
Ann.biol., Copenhagen, (12):65-8  
Hydrographic surveys of the northern  
North Sea, 1955

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Dietrich, G. (1957) 59-3550  
Ann.biol., Copenhagen, (12):71-3  
Hydrographic conditions in the central  
and northern North Sea in August 1955

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Burns, R.B. (1957) 59-3548  
Ann.biol., Copenhagen, (12):68-71  
Chemical observations

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Dietrich, G. (1957) 59-3551  
Ann.biol., Copenhagen, (12):74-6  
Hydrographic conditions in the  
southern North Sea in March 1955,  
based on a multiple ship survey

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Smed, J. (1957) 59-3549  
Ann.biol., Copenhagen, (12):71  
Monthly anomalies of the surface  
temperature in an area off the eastern  
coast of Scotland in 1955

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Andersen, K.P. (1957) 59-3552  
Ann.biol., Copenhagen, (12):76-9  
Hydrographic conditions in the  
southern North Sea, the Bløden Ground  
area in 1955

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK: M

Dietrich, G. (1957) 59-3553  
Ann.biol., Copenhagen, (12):80-1  
Hydrographic conditions in the German  
Bight

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK:

M

Fraser, J.H. (1957) 59-3556  
Ann.biol., Copenhagen, (12):82-4  
Scottish plankton investigations  
in 1955

Part of 'Near Northern Seas -  
Environment - Plankton'.

GLK:

M

Thomsen, H. (1957) 59-3554  
Ann.biol., Copenhagen, (12):81  
Hydrography of the Kattegat area

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK:

M

Rae, K.M. (1957) 59-3557  
Ann.biol., Copenhagen, (12):84-7  
The continuous plankton recorder  
survey: plankton around the British  
isles during 1955

Part of 'Near Northern Seas -  
Environment - Plankton'.

GLK:

M

Jerlov, N. (1957) 59-3555  
Ann.biol., Copenhagen, (12):82  
Swedish waters

Part of 'Near Northern Seas -  
Environment - Hydrography'.

GLK:

M

Ziegelmeier, E. (1957) 59-3558  
Ann.biol., Copenhagen, (12):88-9  
Investigations of the bottom fauna

Part of 'Near Northern Seas -  
Environment - Benthonic Food'.

GLK:

M



Ziegelmeier, E. (1957) 59-3559  
Ann.biol., Copenhagen, (12):89  
Food investigations on plaice

Part of 'Near Northern Seas -  
Environment - Benthonic Food'.

GLK:

M

Ursin, E. (1957) 59-3562  
Ann.biol., Copenhagen, (12):94-5  
Danish plaice investigations

Part of 'Near Northern Seas - The  
Fish - Plaice'.

GLK:

M

Bückmann, A. & al. (1957) 59-3560  
Ann.biol., Copenhagen, (12):90-2  
Eggs and larvae of winter spawners in  
the southern North Sea

Part of 'Near Northern Seas - The Fish -  
Eggs and Larvae'.

GLK:

M

Jensen, A.J.C. (1957) 59-3563  
Ann.biol., Copenhagen, (12):96-9  
Plaice in the Skagerak-Kattegat area

Part of 'Near Northern Seas - The  
Fish - Plaice'.

GLK:

M

Wimpenny, R.S. (1957) 59-3561  
Ann.biol., Copenhagen, (12):92-3  
Young plaice in Bridlington Bay

Part of 'Near Northern Seas - The Fish -  
Plaice'.

GLK:

M

Bagge, O. (1957) 59-3564  
Ann.biol., Copenhagen, (12):99  
The Limfjord stock of plaice

Part of 'Near Northern Seas - The  
Fish - Plaice'.

GLK:

M

Bagge, O. & 59-3565  
E. Bertelsen (1957)  
Ann.biol., Copenhagen, (12):99-100  
Transplantation of plaice to the  
Limfjord  
  
Part of 'Near Northern Seas - The  
Fish - Plaice'.

GLK: M

Bagge, O. (1957) 59-3568  
Ann.biol., Copenhagen, (12):101  
The Limfjord stock of dabs  
  
Part of 'Near Northern Seas - The  
Fish - Dab'.

GLK: M

Bohl, Hj. (1957) 59-3566  
Ann.biol., Copenhagen, (12):100  
Dab in the southern North Sea  
  
Part of 'Near Northern Seas - The  
Fish - Dab'.

GLK: M

Jensen, A.J.C. (1957) 59-3569  
Ann.biol., Copenhagen, (12):101  
Prediction of the yield in the  
Limfjord  
  
Part of 'Near Northern Seas - The  
Fish - Eel'.

GLK: MF

Knudsen, J. (1957) 59-3567  
Ann.biol., Copenhagen, (12):100  
Dab in the Kattegat  
  
Part of 'Near Northern Seas - The  
Fish - Dab'.

GLK: M

Madsen, K.P. (1957) 59-3570  
Ann.biol., Copenhagen, (12):101  
A Danish fishery for sand-eel  
(Ammodytidae)  
  
Part of 'Near Northern Seas - The  
Fish - Sand-Eel'.

GLK: M

Gulland, J.A. (1957) 59-3571  
Ann.biol., Copenhagen, (12):102-3  
English market measurements on soles and  
whiting

Part of 'Near Northern Seas - The  
Fish - Soles and Whiting'.

GLK: M

Nybelin, O. (1957) 59-3574  
Ann.biol., Copenhagen, (12):104  
Sweden

Part of 'Near Northern Seas - The  
Fish - Rare Fishes'.

GLK: M

Rae, B.B. & 59-3572  
E. Wilson (1957)  
Ann.biol., Copenhagen, (12):103  
Scotland

Part of 'Near Northern Seas - The  
Fish - Rare Fishes'.

GLK: M

Jensen, A.J.C. (1957) 59-3575  
Ann.biol., Copenhagen, (12):105-6  
Baltic-Belt seas - Introduction

GLK: M

Krefft, G. & 59-3573  
A. Kotthaus (1957)  
Ann.biol., Copenhagen, (12):104  
Germany

Part of 'Near Northern Seas - The  
Fish - Rare Fishes'.

GLK: M

Thomsen, H. (1957) 59-3576  
Ann.biol., Copenhagen, (12):107  
Danish observations

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

GLK: M



Dietrich, G. (1957) 59-3577  
Ann.biol., Copenhagen, (12):108-9  
German observations in the western  
Baltic

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

GLK: M

Filarski, J. (1957) 59-3580  
Ann.biol., Copenhagen, (12):111-3  
Polish investigations in the southern  
Baltic

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

GLK: M

Kändler, R. (1957) 59-3578  
Ann.biol., Copenhagen, (12):109  
Cruises with the R/V SUDFALL

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

GLK: M

Jensen, A.J.C. (1957) 59-3581  
Ann.biol., Copenhagen, (12):113  
Observations at Bornholm

Part of 'Baltic-Belt Seas -  
Environment - Plankton'.

GLK: M

Koczy, F.F. (1957) 59-3579  
Ann.biol., Copenhagen, (12):111  
Swedish observations

Part of 'Baltic-Belt Seas -  
Environment - Hydrography'.

GLK: M

Nikolaev, I. (1957) 59-3582  
Ann.biol., Copenhagen, (12):113  
Russian observations in the central  
Baltic, between Klaipeda and the  
Estonian islands

Part of 'Baltic-Belt Seas -  
Environment - Plankton'.

GLK: M

Mulicki, Z. (1957) 59-3583  
Ann.biol., Copenhagen, (12):114-3  
Ecology of the more important  
invertebrates of the Baltic  
  
Part of 'Baltic-Belt Seas -  
Environment - Benthonic Food'.

GLK: M

Knudsen, J. (1957) 59-3586  
Ann.biol., Copenhagen, (12):121  
Danish investigations - Dab  
  
Part of 'Baltic-Belt Seas - The  
Fish - Flatfish'.

GLK: M

Kändler, R. (1957) 59-3584  
Ann.biol., Copenhagen, (12):119  
German investigations

Part of 'Baltic-Belt Seas -  
The Fish - Eggs and Larvae'.

GLK: M

Jensen, A.J.C. (1957) 59-3587  
Ann.biol., Copenhagen, (12):121-2  
Danish investigations - Flounder

Part of 'Baltic-Belt Seas - The  
Fish - Flatfish'.

GLK: M

Jensen, A.J.C. (1957) 59-3585  
Ann.biol., Copenhagen, (12):119-20  
Danish investigations

Part of 'Baltic-Belt Seas - The  
Fish - Flatfish'.

GLK: M

Otterlind, G. (1957) 59-3588  
Ann.biol., Copenhagen, (12):122-3  
Swedish investigations of flatfish

Part of 'Baltic-Belt Seas - The  
Fish - Flatfish'.

GLK: M

Jensen, A.J.C. (1957) 59-3589  
Ann.biol., Copenhagen, (12):123  
Prediction of the yield of the silver-eel fishery

Part of 'Baltic-Belt Seas - The Fish - Eel'.

GLK:

MF

Berrit, G.R. (1957) 59-3592  
Ann.biol., Copenhagen, (12):124  
Hydrologie à Pointe-Noire  
(Hydrology in Pointe-Noire)

Part of 'Comité Atlantique - Les Conditions de Milieu - Hydrologie'.

GLK:

M



Kändler, R. (1957) 59-3590  
Ann.biol., Copenhagen, (12):123  
German fishery

Part of 'Baltic-Belt Seas - The Fish - Salmon'.

GLK:

MF

Berrit, G.R. (1957) 59-3593  
Ann.biol., Copenhagen, (12):125  
Recherches sur le phytoplancton  
(Investigations on phytoplankton)

Part of 'Comité Atlantique - Les Conditions de Milieu - Plancton'.

GLK:

M

Furnestin, J. (1957) 59-3591  
Ann.biol., Copenhagen, (12):124  
Comité Atlantique - Sommaire  
(Atlantic committee - Summary)

GLK:

M

de la Tourrasse, G. (1957) 59-3594  
Ann.biol., Copenhagen, (12):125  
Observations sur la sardine dans le sud du golfe de Gascogne  
(Observations on the sardine in the southern gulf of Gascogne)

Part of 'Comité Atlantique - Les Les Poissons - Sardine'.

GLK:

M



Coupé, R. & 59-3595  
 Cl. Maurin (1957)  
Ann.biol., Copenhagen, (12):125-7  
 Note préliminaire sur la croissance de  
Gadus luscus Cuv.Val. au Maroc  
 (Preliminary note on the growth of  
Gadus luscus Cuv. Val. in Morocco)

Part of 'Comité Atlantique - Les  
 Poissons - Gadus luscus'.

GLK: M

Hansen, P.M. (1957) 59-3598  
Ann.biol., Copenhagen, (12):128-9  
 Cod fry and small cod in coastal  
 waters and on the offshore banks of  
 West Greenland, 1955

Part of 'Gadoid Fish - Young Stages -  
 Greenland'.

GLK: M

Marteil, L. (1957) 59-3596  
Ann.biol., Copenhagen, (12):127  
 Conditions de milieu et reproduction  
 d'Ostrea edulis L. en Morbihan pendant  
 l'année 1955 (Environmental  
 conditions and reproduction of Ostrea  
edulis in Morbihan during the year 1955)

Part of 'Comité Atlantique - Mollusques -  
Ostrea edulis'.

GLK: M

Joensen, J.S. (1957) 59-3599  
Ann.biol., Copenhagen, (12):129  
 Pelagic O-group cod, haddock,  
 whiting, and saithe

Part of 'Gadoid Fish - Young Stages -  
 Faroes'.

GLK: M

Marteil, L. (1957) 59-3597  
Ann.biol., Copenhagen, (12):127  
 Acclimatation de Gryphea angulata Lmk.  
 sur les côtes de Bretagne  
 (Acclimatization of Gryphea angulata  
 Lmk. on the coasts of Brittany)

Part of 'Comité Atlantique -  
 Mollusques - Gryphea angulata'.

GLK: M

Knudsen, J. (1957) 59-3600  
Ann.biol., Copenhagen, (12):130  
 Cod

Part of 'Gadoid Fish - Young Stages -  
 Danish Waters'.

GLK: M

Knudsen, J. (1957) 59-3601  
Ann.biol., Copenhagen, (12):130  
Whiting

Part of 'Gadoid Fish - Young Stages -  
Danish Waters'.

GLK: M

Meyer, A. (1957) 59-3604  
Ann.biol., Copenhagen, (12):137-8  
German investigations

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK: M

Hansen, P.M. (1957) 59-3602  
Ann.biol., Copenhagen, (12):131-6  
Cod investigations in the coastal  
waters and on the offshore banks of  
West Greenland in 1955

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK: M

Jónsson, J. (1957) 59-3605  
Ann.biol., Copenhagen, (12):138-9  
Icelandic stock - The stock of  
spawning cod in 1955

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK: M

Trout, G.C. (1957) 59-3603  
Ann.biol., Copenhagen, (12):136-7  
English tagging experiments

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK: M

Meyer, A. (1957) 59-3606  
Ann.biol., Copenhagen, (12):139  
Icelandic stock - German  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK: M

Trout, G.C. (1957) 59-3607  
Ann.biol., Copenhagen, (12):139-40  
Arcto-Norwegian stock - English cod  
tagging in 1954 and 1955

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK:

M

Saetersdal, G. (1957) 59-3610  
Ann.biol., Copenhagen, (12):141  
Arcto-Norwegian stock - The stock of  
skrei

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK:

M

Meyer, A. (1957) 59-3608  
Ann.biol., Copenhagen, (12):140  
Arcto-Norwegian stock - German  
landings

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK:

M

Rutkiewicz, St. (1957) 59-3611  
Ann.biol., Copenhagen, (12):141-2  
Baltic stock - Polish investigations

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK:

M

Saetersdal, G. (1957) 59-3609  
Ann.biol., Copenhagen, (12):140-1  
Arcto-Norwegian stock - The Finmark  
spring cod

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK:

M

Tokareva, G. & 59-3612  
A. Frieditis (1957)  
Ann.biol., Copenhagen, (12):142  
Baltic stock - Russian  
investigations in the eastern Baltic

Part of 'Gadoid Fish - Commercial  
Fish - Cod'.

GLK:

M

Jónsson, J. (1957) 59-3613  
Ann.biol., Copenhagen, (12):143-6  
Icelandic stock - Icelandic  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

GLK: M

Meyer, A. (1957) 59-3616  
Ann.biol., Copenhagen, (12):147  
Arcto-Norwegian stock - German  
landings

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

GLK: M

Meyer, A. (1957) 59-3614  
Ann.biol., Copenhagen, (12):146  
Icelandic stock - German  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

GLK: M

Jones, R. & 59-3617  
W. Main (1957)  
Ann.biol., Copenhagen, (12):147  
Faroe stock - Scottish  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

GLK: M

Saetersdal, G. (1957) 59-3615  
Ann.biol., Copenhagen, (12):146-7  
Arcto-Norwegian stock - Norwegian  
fishery

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

GLK: M

Jones, R. (1957) 59-3618  
Ann.biol., Copenhagen, (12):149  
North Sea stock - Scottish  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

GLK: M



Sahrhage, D. (1957) 59-3619  
Ann.biol., Copenhagen, (12):150-3  
North Sea stock - German  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Haddock'.

GLK: M

Messtorff, J. (1957) 59-3622  
Ann.biol., Copenhagen, (12):156  
North Sea stock - German  
observations

Part of 'Gadoid Fish - Commercial  
Fish - Whiting'.

GLK: M

Schmidt, U. (1957) 59-3620  
Ann.biol., Copenhagen, (12):153-4  
Icelandic stock - German landings

Part of 'Gadoid Fish - Commercial  
Fish - Saithe'.

GLK: M

Devold, F. (1957) 59-3623  
Ann.biol., Copenhagen, (12):157  
Herring - Introduction

GLK: M

Schmidt, U. (1957) 59-3621  
Ann.biol., Copenhagen, (12):155  
Norwegian stock - German  
investigations

Part of 'Gadoid Fish - Commercial  
Fish - Saithe'.

GLK: M

Wiborg, K.F. (1957) 59-3624  
Ann.biol., Copenhagen, (12):157-8  
Occurrence of herring larvae in  
coastal waters of north-western  
Norway

Part of 'Herring - A. Atlantic  
Waters - Young Stages'.

GLK: M

Fridriksson, A. (1957) 59-3625  
Ann.biol., Copenhagen, (12):158-62  
The Icelandic north coast herring in  
1955

Part of 'Herring - A. Atlantic Waters -  
Commercial Fish'.

GLK:

M

Tåning, Å.V. (1957) 59-3628  
Ann.biol., Copenhagen, (12):169  
North and north-east of the Faroe  
islands occurrence of herring

Part of 'Herring - A. Atlantic Waters -  
Commercial Fish'.

GLK:

M

Einarsson, H. (1957) 59-3626  
Ann.biol., Copenhagen, (12):162-5  
Icelandic south coast herring

Part of 'Herring - A. Atlantic Waters -  
Commercial Fish'.

GLK:

M

Devold, F. (1957) 59-3629  
Ann.biol., Copenhagen, (12):169-70  
Norwegian Sea

Part of 'Herring - A. Atlantic Waters -  
Commercial Fish'.

GLK:

M

Tåning, Å.V., H. Einarsson 59-3627  
& J. Eggvin (1957)  
Ann.biol., Copenhagen, (12):165-7  
Records from the month of June of the  
Norwegian-Icelandic herring stock in  
the open ocean

Part of 'Herring - A. Atlantic Waters -  
Commercial Fish'.

GLK:

M

Dragesund, O. (1957) 59-3630  
Ann.biol., Copenhagen, (12):170-2  
Tagging experiments

Part of 'Herring - A. Atlantic  
Waters - Commercial Fish'.

GLK:

M

Saville, A. (1957) 59-3631  
Ann.biol., Copenhagen, (12):173  
Autumn-spawned herring larvae in the  
northern North Sea

Part of 'Herring - B. North Sea and  
Adjacent Waters - Young Stages'.

GLK:

M

Schubert, K. (1957) 59-3634  
Ann.biol., Copenhagen, (12):185-93  
Survey of the German commercial  
herring fisheries and the biological  
conditions of the stocks

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

McPherson, G. (1957) 59-3632  
Ann.biol., Copenhagen, (12):174  
O- and I-group, Scotland 1954-55

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Schubert, K. (1957) 59-3635  
Ann.biol., Copenhagen, (12):193-5  
The conditions of the herring fishery  
in the northern North Sea during  
August 1955

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Parrish, B.B. & al. (1957) 59-3633  
Ann.biol., Copenhagen, (12):175-85  
Scottish fisheries 1955

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Calver, R.F. (1957) 59-3636  
Ann.biol., Copenhagen, (12):195  
The catches and landings of herring  
at north shields and off East Anglia  
in 1955

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Schubert, K. (1957) 59-3637  
Ann.biol., Copenhagen, (12):197  
Coastal herring from the mouth of the  
river Elbe

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

Gilis, Ch. (1957) 59-3640  
Ann.biol., Copenhagen, (12):204-8  
Full-herring concentrations exploited  
by the Belgian herring trawlers in 1955

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Bertelsen, E. & 59-3638  
K.P. Madsen (1957)  
Ann.biol., Copenhagen, (12):197-8  
Young herring from the Bløden Ground  
area

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Gilis, Ch. (1957) 59-3641  
Ann.biol., Copenhagen, (12):208-11  
Spent-herring concentrations exploited  
by the Belgian herring trawlers in  
1955-56

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Zijlstra, J.J. (1957) 59-3639  
Ann.biol., Copenhagen, (12):200-4  
The Dutch herring fisheries in 1955

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M

Gilis, Ch. (1957) 59-3642  
Ann.biol., Copenhagen, (12):211-2  
Full-herring concentrations of the  
'Smalls' in 1955

Part of 'Herring - B. North Sea and  
Adjacent Waters - Commercial Fish'.

GLK:

M



Jensen, A.J.C. (1957) 59-3643  
Ann.biol., Copenhagen, (12):213  
Larvae in the Kattegat and the Belt  
sea

Part of 'Herring - C. The Skagerak,  
Kattegat, Belt Sea, and Baltic -  
Young Stages'.

GLK: M

Elwertowski, J. (1957) 59-3646  
Ann.biol., Copenhagen, (12):216  
Polish investigations on the sprat

Part of 'Sardine - Commercial Fish'.

GLK: M

Jensen, A.J.C. (1957) 59-3644  
Ann.biol., Copenhagen, (12):213-4  
Small immature herring

Part of 'Herring - C. The Skagerak,  
Kattegat, Belt Sea, and Baltic -  
Commercial Fish'.

GLK: M

Revheim, A. (1957) 59-3647  
Ann.biol., Copenhagen, (12):217-8  
Tagging experiments with mackerel  
in the Skagerak in 1955

Part of 'Scombriform Fish -  
Commercial Fish'.

GLK: M

Rannak, L. (1957) 59-3645  
Ann.biol., Copenhagen, (12):214-5  
The herring in the north-east Baltic

Part of 'Herring - C. The Skagerak,  
Kattegat, Belt Sea, and Baltic -  
Commercial Fish'.

GLK: M

Frade, F. & 59-3648  
F. Correia da Costa (1957)  
Ann.biol., Copenhagen, (12):218-9  
Thunnidae et Cybiidae de S. Tomé  
et Principe (Thunnidae and  
Cybiidae from St. Tomé and Principe)

Part of 'Scombriform Fish -  
Commercial Fish'.

GLK: M

Havinga, B. (1957) 59-3649  
Ann.biol., Copenhagen, (12):220  
Shellfish - Introduction

GLK: M

Korringa, P. (1957) 59-3652  
Ann.biol., Copenhagen, (12):222-5  
Larvae and spatfall of oysters in the  
Oosterschelde (Holland) in 1955

Part of 'Shellfish - Mollusca -  
Oyster'.

GLK: M

Havinga, B. (1957) 59-3650  
Ann.biol., Copenhagen, (12):220-1  
The stock of shrimps (Crangon vulgaris)  
in the Dutch coastal waters

Part of 'Shellfish - Crustacea -  
Shrimps'.

GLK: M

Korringa, P. (1957) 59-3653  
Ann.biol., Copenhagen, (12):225-8  
The quality of marketable oysters from  
the Zealand waters in 1955

Part of 'Shellfish - Mollusca -  
Oyster'.

GLK: M

Cole, H.A. (1957) 59-3651  
Ann.biol., Copenhagen, (12):222  
English investigations

Part of 'Shellfish - Mollusca -  
Oyster'.

GLK: M

Cole, H.A. (1957) 59-3654  
Ann.biol., Copenhagen, (12):228  
English investigations

Part of 'Shellfish - Mollusca -  
Mussel'.

GLK: M

Korringa, P. (1957) 59-3655  
Ann.biol., Copenhagen, (12):228-30  
The quality of marketable mussels from  
the Dutch Waddensea in 1955

Part of 'Shellfish - Mollusca -  
Mussel'.

GLK:

M

Lofts, B. & 59-3658  
A.J. Marshall (1957)  
Quart.J.micr.Sci., 98(1):79-88  
Cyclical changes in the distribution  
of the testis lipids of a teleost  
fish Esox lucius

F

Korringa, P. (1957) 59-3656  
Ann.biol., Copenhagen, (12):230-1  
Epidemiological observations on the  
mussel parasite Mytilicola intestinalis  
Steuer, undertaken in the Netherlands  
in 1955

Part of 'Shellfish - Mollusca -  
Mussel'.

GLK:

M

Krishnan, G. (1958) 59-3659  
Quart.J.micr.Sci., 99(3):359-71  
Some aspects of cuticular organization  
of the branchipod Streptocephalus  
dichotomus

M

Loeb, H.A. (1958) 59-3657  
N.Y.Fish Game J., 5(1):100  
Notes on electric fishing techniques

F

Lele, P.P., E. Palmer 59-3660  
G. Weddell (1958)  
Quart.J.micr.Sci., 99(3):421-40  
Observations on the innervation of  
the integument of Amphioxus,  
Branchiostoma lanceolatum

M

Friedman, I. (1957) 59-3661  
Tellus, 9:553-6  
Determination of deuterium-hydrogen  
ratios in Hawaiian waters

Reports measurements of deuterium  
in sea, rain & condensate water &  
discusses briefly possible significance  
of measurements for cloud physics.

FAO:efa

MF

DeWitt, J.W. (1957) 59-3664  
Science, 126:840  
Mortality of aquatic insects and  
fishes caused by use of latex tubing  
in experimental apparatus

Reports harmful effect of latex  
tubing on test animals.

FAO:efa

F

Herald, E.S. (1957) 59-3662  
Calif. Fish Game, 43:235-7  
The reported emergence of fishes from  
California's subterranean waters  
  
Review of the subject as per title,  
with notes on occurrence of Gasterosteus  
aculeatus williamsoni.

FAO:efa

F

Harrington, R.W., Jr. (1958) 59-3665  
Copeia, (1):1-10  
Morphometry and ecology of small  
tarpon, Megalops atlantica  
Valenciennes from transitorial stage  
through onset of scale formation

Contents as per title.

HR:efa

MF

Hayashi, S. & 59-3663  
K. Kondo (1957)  
Bull. Tokai Fish. Res. Lab., (17):31-64  
Growth of the Japanese anchovy - IV.  
Age determination with the use of scales

Discusses definition & formation of  
scale annuli & growth trend based on  
scale reading.

FAO:efa

M

Osterhaug, K.L. (1958) 59-3666  
Pacif. Fisherm., 56(11):40-1  
Fish in the sodium-restricted diet

Presents tables giving Na & K content  
of spp. of marine & freshwater fish.

FAO:efa

MF



Ganaros, A.E. (1957) 59-3667  
Science, 125:1194  
Marine fungus infecting eggs and embryos  
of Urosalpinx cinerea

Reports a lagenidaial fungus infestation  
of ova of common oyster drill with  
notes on biotic control of drill by  
using this fungus.

FAO:efa

M

Fogg, G.E. (1957) 59-3670  
New Scient., (26):29-31  
Earth's blue-green aboriginals

Brief review of the biology of blue-  
green algae.

FAO:efa

MF

Emiliani, C. (1957) 59-3668  
Science, 125:383-7  
Temperature and age analysis of deep-  
sea cores

Reviews different methods of deep-sea  
record studies & analyses the  
differences to draw the possible  
conclusions from published evidence.

FAO:efa

M

Forsyth, W.S. (1957) 59-3671  
Fish.News, Lond., (2298):9  
Basking shark is now on his usual  
invasion

Brief popular review of the biology  
of Selache maxima ?, with notes on its  
occurrence in the North Sea &  
potential wealth for the industry.

FAO:efa

M

Haskell, P.T. (1957) 59-3669  
New Scient., (25):26-9  
How 'our dumb frields' communicate by  
sounds

Reviews the study of bio-acoustics  
& gives notes on the part of sound  
signals in animal behaviour.

FAO:efa

G

Forsyth, W.S. (1957) 59-3672  
Fish.News, Lond., (2290):9  
Artificial lures in sea fishing

A popular review of the lures  
employed in fishing.

FAO:efa

M

Housley, J.G. & 59-3673  
 D.C. Taylor (1957)  
Trans.Amer.geophys.Un., 38(1):56-61  
 Application of the solitary wave theory  
 to shoaling oscillatory waves

Account of tank experiments on the  
 celerities of shallow-water waves as a  
 function of wave height & wave length  
 or period, & comparison of experimental  
 celerities to the values of solitary  
 & cnoidal wave theories.

FAO:efa

MF

Grosch, D.S. & 59-3676  
 Z.H. Smith (1957)  
Biol.Bull., Wood Hole, 112:171-9  
 X-ray experiments with Molgula  
manhattensis:adult sensitivity and  
 induced zygotic lethality

Account of X-ray experiments to study  
 biological effects of radioactive  
 contaminants.

FAO:efa

M

Agarwal, S.C. (1958) 59-3774  
Curr.Sci., 27:348-9  
 On a new species of Procamallanus  
Baylis, 1923 (Nematoda)

Describes Procamallanus spiculoguber-  
naculus n. sp. recovered in the  
 alimentary canals of Heteropneustes  
fossilis (Day) obtained at Allahabad.

FAO:efa

M

Henley, C. & 59-3677  
 D.P. Costello (1957)  
Biol.Bull., Wood Hole, 112:184-95  
 The effects of X-irradiation on the  
 fertilized eggs of the annelid,  
Chaetopterus

Account of analysis of cytological &  
 developmental consequences of  
 irradiation.

FAO:efa

M

du Plessis, C.G. (1958) 59-3775  
World Fish., 7(3):57-8  
 Fishing with the South African pursed  
 lampara

Description of gear & notes on  
 method of fishing.

FAO:efa

M

Hand, C. & 59-3678  
 M.L. Jones (1957)  
Biol.Bull., Wood Hole, 112:349-57  
 An example of reversal of polarity  
 during asexual reproduction of a  
 hydroid

Describes asexual reproduction,  
 involving reversal of the original  
 oval-basal polarity of a hydroid  
 discovered in San Francisco Bay.

FAO:efa

M

Knox, G.A. (1957) 59-3679  
Ann.Mag.nat.Hist., 10(115):493-6  
Clavisyllis alternata, gen. et sp. nov.,  
a new polychaete from New Zealand

M

Kiknadze, I.I. (1957) 59-3682  
C.R.Acad.Sci.U.R.S.S., 113:901-4  
K voprosu o povedenii napravitel'nykh  
telets pri razvitii iaits nekotorykh  
bespozvonochnykh (On the behaviour  
of polar bodies during egg development  
in certain invertebrates)

FAO.

MF

Kyaw, U.Ba (1957) 59-3680  
Occ.Pap.Indo-Pacif.Fish.Coun., (53/1)  
Fishing industry at Sakanthit, Mergui  
District Union of Burma

MF

Ignat'eva, G.M. (1957) 59-3683  
C.R.Acad.Sci.U.R.S.S., 114:1132-5  
Morfo-fiziologicheskoe issledovanie  
zhelezy vylupleniia sevriugi pri  
raznykh temperaturakh inkubatsii  
(Morpho-physiological studies of the  
hatching gland in Acipenser stellatus  
at different incubation temperatures)

FAO:

MF

Hardy, E. (1957) 59-3681  
World Fish., 6(1):68  
Sea birds and fishermen - No. 3.  
The Gannet

FAO.

M

Kaufman, S.Z. (1957) 59-3684  
C.R.Acad.Sci.U.R.S.S., 114:1317-9  
Zavisimost' regeneratsii stsifistomy  
stsifomeduzy Cyanea capillata ot  
stadii ee razvitiia (The  
regeneration of the scyphistoma in the  
scyphomedusa Cyanea capillata, as  
dependent on its development stage)

FAO:

M

Kiknadze, I.I. (1957) 59-3685  
C.R.Acad.Sci.U.R.S.S., 111:1344-7  
 Dinamika desoksiribonukleinovoi kisloty  
 v khode razvitiia iaits bespozvonochnykh  
 (The dynamic of desoxiribonucleic acid  
 in the course of egg development in  
 invertebrates)

FAO:

MF

Lalou, C. (1957) 59-3688  
Ann.Inst.océanogr., Paris, 33(4):  
 Etude expérimentale de la production  
 de carbonates par les bactéries des  
 vases de la baie de Villefranche-sur-  
 Mer (Experimental study of  
 carbonate production by the bacteria  
 of vessels in the bay of Villefranche-  
 sur-Mer)

M

Oka, H. & 59-3686  
 H. Watanabe (1957)  
Biol.Bull., Wood Hole, 112:225-40  
 Vascular budding, a new type of budding  
 in Botryllus  
 Detailed description of process of  
 vascular budding & comparison between  
 this & ordinary palleal budding.

FAO:efa

M

Lutaud, G. (1957) 59-3689  
Arch.Zool.exp.gén., 94(3):148-61  
 Le développement du bourgeon chez  
Membranipora membranacea (Linné,  
 Bryozoaire Chilostome (The  
 development of the bud at Membranipora  
membranacea Linné, bryozoan  
 chilostomes)

M

Goodbody, I. (1957) 59-3687  
J.exp.Biol., 34(3):297-305  
 Nitrogen excretion in ascidiacea - I.  
 Excretion of ammonia and total non-  
 protein nitrogen

FAO:

M

Kristensen, I. (1957) 59-3690  
Levende Nat., 60(2):39-42  
 De Gemarmerde Sidderrog, Torpedo  
marmorata Risso (The marbled  
 torpedo, Torpedo marmorata Risso)

M



Jägersten, G. (1957) 59-3691  
Zool.Bidr.Uppsala, 32:67-79  
On the larva of Siboglinum. With some  
remarks on the nutrition problem of the  
Pogonophora

M

Gordon, B.L. (1957) 59-3694  
Fisherman, Mich., 8(2):14-6  
The migratory shad

M

Dodgson, K.S. & 59-3692  
A.G. Lloyd (1957)  
Biochem.J., 66(3):532-8  
Studies on sulphatases - 18.  
Preparation of chondroitinase-free  
chondrosulphatase from extracts of  
Proteus vulgaris

FAO:

F

Halås, M. (1957) 59-3695  
Aarsberetn.Norg.Fisk., 1955(9):5-9  
Sildeundersøkelser på vårsildfeltet  
1954 (Herring investigations on  
spring herring grounds 1954)

Review of the weather, occurrence &  
behaviour of herring school, & catches  
in various localities & times.

FAO:t1

M

Lloyd, A.G. & 59-3693  
K.S. Dodgson (1957)  
Proc.biochem.Soc., Cambridge,  
The degradation of chondroitin sulphate  
by the chondroitinase of Proteus  
vulgaris

F

Rokstad, G. (1957) 59-3696  
Aarsberetn.Norg.Fisk., 1955(9):10-6  
Forsøksfiske på Nordmørskysten under  
stor- og vårsildfisket 1955  
(Experimental fishing on Nordmørs  
coast during large & spring-herring  
fishery 1955)

Review of the results of experimental  
fishing & echosounding for herring.

FAO:t1

M

Halås, M. (1957) 59-3697  
Aarsberetn.Norg.Fisk., 1955(9):17-23  
 Forsøk etter sild med drivgarn i  
 Nordsjøen i tiden 12. juni-9. juli 1954  
 (Investigation for herring with drift  
 nets in the North Sea during 12 June to  
 9 July 1954)

Extract from experimental fishing diary  
 with conclusions on the distribution,  
 abundance & size of herring between  
 56° to 57°30' N & 1° W to 1°E, during  
 the fishing.

FAO:tl

M

Rokstad, G. (1957) 59-3700  
Aarsberetn.Norg.Fisk., 1955(9):35-9  
 Trålfisket i Nordsjøen 1955 med M/S  
 PEDER RØNNESTAD (Trawl fishery in  
 the North Sea 1955 with M/S PEDER  
 RØNNESTAD)

Extract from catch journal & diary  
 with summary on the average catch  
 & possibilities of its treatment &  
 disposal.

FAO:tl

M

Halås, M. (1957) 59-3698  
Aarsberetn.Norg.Fisk., 1955(9):24-30  
 Fiskeforsøk etter sild med drivgarn i  
 Nordsjøen, sommeren 1955  
 (Experimental fishing for herring with  
 drift nets in the North Sea, summer 1955)

Diary of the experimental fishing with  
 notes on catches & the quality of  
 herring; conclusions on the  
 possibilities of Norwegian drift net  
 fishery in the North Sea.

FAO:tl

M

Halaas, M. (1957) 59-3701  
Aarsberetn.Norg.Fisk., 1955(9):40-2  
 Forsøk med drivgarn etter sild på  
 revkanten (Jimmyfeltet) høsten 1954  
 (Investigation with drift nets for  
 herring on the slope of the ground,  
 Jimmy Ground, autumn 1954)

Summary of the experimental fishing  
 with notes on the future prospects  
 of autumn fishery for herring in the  
 area.

FAO:tl

M

Rokstad, G. (1957) 59-3699  
Aarsberetn.Norg.Fisk., 1955(9):31-4  
 Trålfiske etter sild i Nordsjøen med  
 forskonstråleren M/S PEDER RØNNESTAD i  
 tiden 22.juli- 20.oktober 1954  
 (Trawl fishery for herring in the North  
 Sea with research trawler M/S PEDER  
 RØNNESTAD during 22 July to 20 October  
 1954)

Short historical notes on Norwegian  
 trawl fishery in the North Sea; extract  
 from the catch journal and conclusions  
 for future possibilities for Norwegian  
 herring trawling in North Sea.

FAO:tl

M

Anonymous (1957) 59-3702  
Aarsberetn.Norg.Fisk., 1955(9):45-51  
 Forsøksfiske med not i Lofoten i 1954  
 (Experimental fishing with seine in  
 Lofoten during 1954)

Catch results during different  
 periods, quality of catch, relations  
 of trawling to other methods &  
 statistics of trawling in the area.

FAO:tl

M

Anonymous (1957) 59-3703  
Aarsberetn.Norg.Fisk., 1955(9):52-62  
Forsøksfiske med net i Lofoten 1955  
(Experimental fishing with seine in  
Lofoten 1955)

Diary of the fishing, notes on  
experiences with seine fishery & its  
relations, & comparison to other  
fisheries in Lofoten.

FAO:tl

M

Halmø, K. (1957) 59-3706  
Aarsberetn.Norg.Fisk., 1955(9):71-4  
Fiskeforsøk etter torsk i Svalbardom-  
rådet juli 1954 (Experimental  
fishing for cod in Svalbard area,  
July 1954)

Diary of the experimental fishery  
with various gear in Spitsbergen-  
Bear island area, 7-24 July.

FAO:tl

M

Rollefsen, G. (1957) 59-3704  
Aarsberetn.Norg.Fisk., 1955(9):63-5  
Lofotfisket 1955 (Lofoten fishery  
1955)

Short review of the fishery conditions  
& catches.

FAO:tl

M

Saetersdal, G. (1957) 59-3707  
Aarsberetn.Norg.Fisk., 1955(9):75-6  
Fiskeforsøk med THOR IVERSEN ved  
Vest-Spitsbergen 7. til 22. august  
1954 (Experimental fishing with  
THOR IVERSEN by West-Spitsbergen from  
7 to 22 August 1954)

Review of the catches with different  
gear & of the sizes & qualities of cod  
in the catches.

FAO:tl

M

Bostrøm, O. (1957) 59-3705  
Aarsberetn.Norg.Fisk., 1955(9):66-70  
PEDER RØNNESTAD s ekkolodding - og  
meldetjeneste av skreiforekomstene i  
Lofoten i tiden: 1. mars- 2. april 1955  
(Echosounding and reporting service of  
PEDER RØNNESTAD of the occurrence of  
spawning cod in Lofoten during 1 March  
to 2 April 1955)

Description of concentration & behaviour  
of spawning cod during the period -  
with 5 maps.

FAO:tl

M

Rokstad, G. (1957) 59-3708  
Aarsberetn.Norg.Fisk., 1955(9):77-8  
Forsøk med linefiske i Barentshavet  
med M/S THOR IVERSEN 7. til 16.  
september 1954 (Experiments with  
long line fishery in the Barents Sea  
with the M/S THOR IVERSEN from 7 to  
16 September 1954)

Diary of the fishery with notes on the  
depth of the occurrence of cod, its  
quantities & sizes.

FAO:tl

M



Rokstad, G. (1957) 59-3709  
Aarsberetn.Norg.Fisk., 1955(9):79-80  
 Forsøk med linefiske i Barentshavet  
 med M/S THOR IVERSEN høsten 1955  
 (Experiments with long line fishery  
 in the Barents Sea with M/S THOR  
 IVERSEN, autumn 1955)

Diary of the long-lineing for cod  
 with notes on the rentability of such  
 fishery.

FAO:tl

M

Rokstad, G. (1957) 59-3712  
Aarsberetn.Norg.Fisk., 1955(9):90-3  
 Maskeviddeforsøk utført med  
 forsøkstrålerne M/S THOR IVERSEN og  
 M/S PEDER RØNNESTAD på Bjørnøfjeldet  
 i tiden 3. mai-29. mai 1954 (Mesh  
 size experiments conducted with  
 experimental trawlers M/S THOR IVERSEN  
 and M/S PEDER RØNNESTAD on Bear  
 Island Grounds from 3 May to 29 May  
 1954)

Comparison of catches of the 2 trawlers  
 working with the same trawl, of trawls  
 with 2 different mesh sizes (110 &  
 150 mm) & of different material.

FAO:tl

M

Rokstad, G. (1957) 59-3710  
Aarsberetn.Norg.Fisk., 1955(9):81-4  
 Forsøksfiske etter torsk ved Jan  
 Mayen 1955 (Experimental fishing  
 for cod by Jan Mayen 1955)

Review of the results of long-lineing  
 for cod in the area from 9 to 26  
 August.

FAO:tl

M

Saetersdal, G. (1957) 59-3713  
Aarsberetn.Norg.Fisk., 1955(9):94-9  
 Bearbeidelsen av materialet fra  
 maskeviddeforsøk med småtrål mai 1954  
 (Working up of materials from mesh  
 size experiments with small trawls,  
 May 1954)

Length composition & weight of catch  
 in different length classes of 2  
 trawls with 10 & 15 cm mesh size.  
 Comparison of 2 trawls with same mesh  
 size but from different materials.

FAO:tl

M

Rokstad, G. (1957) 59-3711  
Aarsberetn.Norg.Fisk., 1955(9):85-9  
 Forsøk med trålfanget Nordsjøsil til  
 agn 1954 (Experiment with trawl-  
 caught North Sea herring for bait 1954)

Comparison of the use of frozen North  
 Sea herring & Norwegian fat herring as  
 bait for cod on North Cape Banks.  
 Diaries of herring trawling & long-line  
 fishery for cod given.

FAO:tl

M

Halmø, K. (1957) 59-3714  
Aarsberetn.Norg.Fisk., 1955(9):100-15  
 Rapport om undersøkelser etter nye  
 rekefelter (Report on  
 investigations for new shrimp grounds)

Yield of shrimp on different grounds  
 from 1910-1954 & results of  
 experimental fishing for shrimp on  
 various Norwegian shrimp grounds.

FAO:tl

M



Halaas, M. (1957) 59-3715  
Aarsberetn.Norg.Fisk., 1955(9):116-8  
 Fiskeforsøk med garn av nylon og  
 perlontråd 1954 (Experimental  
 fishing with nylon & perlon nets 1954)

Comparison of catches of cod & coal-  
 fish with cotton & nylon & perlon nets  
 on various Norwegian fishing grounds.

FAO:tl

M

Halmø, K. (1957) 59-3718  
Aarsberetn.Norg.Fisk., 1955(9):123-4  
 Fiskeforsøk med agnsild frosset i  
 protan-gelé (Experimental fishing  
 with bait herring, frozen in protan-  
 gelé)

Results of experiments on the use of  
 protan-gelé frozen bait in cod fishery.

FAO:tl

M

Halaas, M. (1957) 59-3716  
Aarsberetn.Norg.Fisk., 1955(9):119-20  
 Foreløpig rapport om fiskeforsøk med  
 torskeruser av kuralontråd (Vinilon)  
 (Preliminary report on experimental  
 fishing with cod traps made of  
 kuralon, vinilon)

Comparison of synthetic net material  
 with the conventional hamp & cotton  
 as material for cod traps.

FAO:tl

M

Newman, H.W. (1959) 59-3719  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
 (271):8 p.

A laboratory for fish behaviour studies

Description of the laboratory at  
 Seattle, Washington, which incl.  
 facilities for holding & acclimatizing  
 fish, electronic control units for  
 electrical studies, a heat-exchange  
 system for temperature control in small  
 tanks, means for controlling light  
 conditions, & provisions for making  
 chemical analyses.

GLK:hwn

MF

Anonymous (1957) 59-3717  
Aarsberetn.Norg.Fisk., 1955(9):121-2  
 Forsøksfiske etter håbrann ved island  
 i 1954 (Experimental fishing for  
 porbeagle by seeland during 1954)

Report on the meagre results of the  
 experimental fishing in various places  
 around Iceland.

FAO:tl

M

Cromwell, T. & 59-3720  
 E.B. Bennett (1959)  
Bull.interam.trop.Tuna Comm., 3:217-37  
 Surface drift charts for the eastern  
 tropical Pacific ocean. En Es

Charts of surface drift for the  
 eastern tropical Pacific ocean have  
 been prepared for each month of the  
 year.

SJH:glk

M

Atlantic States Marine 59-3721  
Fisheries Commission (1959)  
New York, 104 p.  
Seventeenth annual report

Comprises reports on the State of the Commission, & of the North Atlantic, Middle Atlantic, Chesapeake Bay & South Atlantic sections; with appendices relating to legislation recommended, the accounts of the Commission, the work of biological & technological sections of the Scientific Committee & of the Legal Committee, & some technical notes.

FAO:glk

MF

Worzel, J.L. (1959) 59-3724  
Proc.nat.Acad.Sci., U.S., 45:349-55  
Extensive deep sea sub-bottom reflections identified as white ash

Comparison of white ash occurrence in cores with sub-bottom obtained with a Precision Depth Recorder.

FAO:glk

M

McHugh, J.L. (1959) 59-3722  
Rep.Atl.St.Mar.Fish.Comm., (17):60-1  
Recent advances in marine fishery research along the Atlantic coast

Report of the biological section of the Scientific Committee to the 17th annual meeting of the Atlantic States Marine Fisheries Commission. Lists the contributors to the progress reports & gives notes on important economic spp.

FAO:glk

MF

Ewing, M., B.C. Heezen 59-3725  
& D.B. Ericson (1959)  
Proc.nat.Acad.Sci., U.S., 45:355-61  
Significance of the Worzel deep sea ash

Discussion of certain data relevant to the ash layer reported by Worzel in 59-3724.

FAO:glk

M

Thompson, S.H. (1959) 59-3723  
Rep.Atl.St.Mar.Fish.Comm., (17):91-4  
A plan for estuarine research

Proposal presented to the 17th annual meeting of the Atlantic States Marine Fisheries Commission, suggesting work in ecology, analysis of response to environmental variables, inshore oceanography & life history studies.

FAO:glk

MF

Fedden, G.A. & 59-3726  
A.M. Chase (1959)  
Biochim.biophys.Acta, 32(1):176-81  
The diffusion constant of Cypridina luciferase

The diffusion constant, D, of Cypridina luciferase was measured by the porous disc method.

FAO:glk

M

Bogorov, V.G. (1959) 59-3727  
Priroda, Moskva, (1):43-5  
Dostizheniia sovetskoi okeanologii  
(Advances in Soviet oceanology)

Zemskii, V.A. & 59-3730  
A.A. Berzin (1959)  
Priroda, Moskva, (2):86  
Nakhodka ambry (A finding of  
Ambergis)

FAO:

M

FAO:

M

Lamakin, V.V. (1959) 59-3728  
Priroda, Moskva, (2):57-64  
Nazrevshie problemy Baikala (The  
problems of lake Baikal require  
immediate solution)

Logvinenko, B.M. (1959) 59-3731  
Priroda, Moskva, (2):100-1  
Novyeishie vselentsy v Kaspiiskoe more  
(Newcomers to the Caspian Sea)

FAO:

F

FAO:

MF

Ponomarenko, V.P. (1959) 59-3729  
Priroda, Moskva, (2):83-5  
Redkie glubokovodnye ryby severnoi  
Atlantiki (Rare deep-water fishes  
in the North Atlantic)

Johansen, B.G. & 59-3732  
A.N. Petkevich (1959)  
Priroda, Moskva, (3):49-54  
Okhrana ryb zapadnoi Sibiri  
(Measures for the protection of fish  
in West Siberia)

FAO:

M

FAO

F



Korabelnikov, L.V. (1959) 59-3733  
Priroda, Moskva, (3):103-4  
 O pitanii kashalotov v Antarkticheskikh  
 moriakh (The diet of sperm whales  
 in the Antarctic seas)

Eglite, R.M. (1958) 59-3736  
Zool.Zh., 37:1509-14  
 Pitaniye rechnoi minogi Lampetra  
fluviatilis (L.) v more (Feeding  
 habits of Lampetra fluviatilis L. in  
 the sea). En

Study of the stomach content &  
 reconstruction of the food items of  
 lamprey.

FAO:

M

FAO:t1

MF

Kuberskii, L.A. (1959) 59-3734  
Priroda, Moskva, (3):106-7  
 Rasprostraneniye teplovodnoi polikhety  
 v Belom more (The habitus of warm  
 water polychaeta in the White Sea)

Azbelev, V.V. & 59-3737  
 I.I. Lagunov (1958)  
Zool.Zh., 37:1515-20  
 O sootnoshenii nолоv u semgi (On  
 the sex ratio in Salmo salar). En

Notes on the sex ratios of salmon in  
 the rivers emptying into Barents &  
 White Seas; participation of the small  
 males, matured before downstream  
 migration, in the spawning.

FAO:

M

FAO:t1

MF

Grese, V.N. (1958) 59-3735  
Zool.Zh., 37:1449-61  
 Reliktovye mizida (Mysis oculata  
relicta Lov.) i pontoporeia (Ponto-  
poreia affinis Lindstr.) kak obekty  
 akklimatizatsii (The relict Mysis  
 and Pontoporeia as acclimatization  
 objects). En

Study of the biology of the organisms  
 in Enisei river; their oxygen  
 consumption & admissible oxygen minimum.  
 Experimental transport of the organisms  
 from Enisei river to lake Bolshoye.

FAO:t1

F

Kudinova-Pasternak, R.K. (1958) 59-3738  
Zool.Zh., 37:1555-7  
 O nakhozhdenii Teredo pedicellata  
quatrefages v Chernom more (On the  
 finding of Teredo pedicellata quatrefages  
 in the Black Sea). En

Description of the differences in  
 spawning habits of shipworm in  
 Mediterranean & Black Sea.

FAO:t1

M



Nikitinskaia, I.V. (1958) 59-3739  
Zool.Zh., 37:1568-71  
 O nachale aktivnogo pitaniia lichinok  
 cakhhalinskoi seldi (Clupea harengus  
pallasi Val.) (On the onset of  
 active feeding of the larvae of Clupea  
harengus pallasi Val.). En

Determination of the time of start  
 of active feeding & the requirement  
 of concentration of food for survival.

FAO:t1

M

Kurenkov, I.I. (1959) 59-3742  
Priroda, Moskva, (2):123  
 O prichinakhznachitel'nogo snizheniia  
 chislennosti kamchatskikh lososei  
 (Causes responsible for the reduction  
 of the numerical strength of Kamchatka  
 salmon)

FAO:

MF

Tarasov, N.I. & 59-3740  
 G.B. Zevina (1957)  
Fauna S.S.S.R., 6(1):267 p.  
 Usonogie raki morei SSSR (Cirripeds  
 of seas of the USSR)

M

Hughes, G.M. & 59-3743  
 G. Shelton (1957)  
Nature, Lond., 179:255  
 Pressure changes during the  
 respiratory movements of teleostean  
 fishes  
  
 Reports observations made on pressure  
 changes in buccal & opercular cavities  
 & movements of mouth & operculum in  
Salmo trutta sp., Leuciscus rutilus  
 & Tinca tinca.

GLK:efa

F

Mironova, N.V. (1959) 59-3741  
Priroda, Moskva, (2):114-5  
 Morskoi akvarium (A sea aquarium)

Krebs, H.A. (1957) 59-3744  
Endeavour, 16:125-32  
 Control of metabolic processes

Reviews subject as per title.

FAO:

M

FAO:efa

G

Andreev, A.K. (1958) 59-3745  
Biokhimiia, 23(6):899  
(Muscle amylase in fish). Ru

MF

Eschmeyer, P.H. (1959) 59-3748  
Progr.Fish-Cult., 21(1):17-21  
Survival and retention of tags, and  
growth of tagged lake trout in a  
rearing pond

Compares results - survival & growth  
of fish & tag retention - with  
different types of tags - Petersen,  
cheek, jaw, streamer - on Salvelinus  
namaycush held at rearing stations &  
planted in Lake Superior.

WAD:wad

F

Phillips, A.M., Jr. & 59-3746  
D.R. Brockway (1959)  
Progr.Fish-Cult., 21(1):3-16  
Dietary calories and the production  
of trout in hatcheries

A review of the contention that it is  
possible to reduce the protein level of  
hatchery foods & to control & estimate  
trout growth by regulating dietary  
calories. Experiments with brook trout  
are described.

WAD:wad

F

Rucker, R.R. (1959) 59-3749  
Progr.Fish-Cult., 21(1):22-5  
Vibrio infections among marine and  
fresh water fish

A review of the infections caused by  
Vibrio, which appear to be similar to  
furunculosis, & which can be spread by  
water or infected fish from salt- or  
fresh-water.

WAD:wad

MF

Anonymous (1959) 59-3747  
Progr.Fish-Cult., 21(1):16  
Plastic bags for transport of trout in  
South Africa

A short report on the use of polythene  
bags, oxygen & water for the transport  
of Salmo fry by air & in rucksacks.

WAD:wad

F

Thompson, C.S. & 59-3750  
B.R. Pulliam (1959)  
Progr.Fish-Cult., 21(1):25  
Fin marks of undetermined origin

Describes the capture of seaward  
migrating silver salmon, Oncorhynchus  
kisutch, at Bonneville Dam, Columbia  
river in 1956 apparently originating  
from hatchery plants & victims of  
accidental mutilation.

WAD:wad

MF

<p>Buss, K. (1959) 59-3751  <u>Progr.Fish-Cult.</u>, 21(1):26-9  Jar culture of trout eggs</p> <p>Describes a system considered to be efficient &amp; economical, labor- &amp; space-saving for production purposes &amp; useful for experimental purposes in providing many units of controlled identical environments.</p> <p>WAD:wad G</p>	<p>59-3753  (Card 2)  3-(5-nitro-2-furyl) acrylate); &amp; NF-86 (5-nitro-2-furonitrile).</p> <p>WAD:wad F</p>
<p>Clemens, H.P. &amp; 59-3752  K.E. Sneed (1959)  <u>Progr.Fish-Cult.</u>, 21(1):29  Tattooing as a method of marking channel catfish</p> <p>Describes the methods.</p> <p>WAD:wad F</p>	<p>Ellis, R. (1959) 59-3755  <u>Progr.Fish-Cult.</u>, 21(1):34-5  Dividends from research</p> <p>Describes an increase in the catch of black mullet assumed to be due largely to the removal of fishing restrictions as a result of research.</p> <p>WAD:wad MF</p>
<p>Post, G. (1959) 59-3753  <u>Progr.Fish-Cult.</u>, 21(1):30-3  A preliminary report on the use of nitrofurans compounds for furunculosis of trout, with special emphasis on furoxone</p> <p>Describes results of experiments using furoxone (N-(5-nitro-2-furfurylidene)-3-amino-2-oxazolidone, also known as furazolidone); furacin (5-nitro-2-furaldehyde semicarbazone); furadantin (N-(5-nitro-2-furfurylidene)-1-amino-hydantoin); NF-67 (5-nitro-2-furaldehyde-2-(2-hydroxyethyl)-semicarbazone, also known as furadroxyl); NF-23 (ethyl</p> <p>WAD:wad M</p>	<p>Loosanoff, V.L. (1959) 59-3756  <u>Progr.Fish-Cult.</u>, 21(1):35  You, too, can now hatch clams.</p> <p>A brief popular description of the value of research in determining how to cultivate seed clams.</p> <p>WAD:wad M</p>



Platts, W.S. (1959) 59-3757  
Progr.Fish-Cult., 21(1):36-8  
Homing, movements, and mortality of  
wild cutthroat trout (Salmo clarki  
Richardson) spawned artificially

Describes observations on marked fish  
at a Utah reservoir.

WAD:wad

F

Craddock, D.R. (1959) 59-3760  
Progr.Fish-Cult., 21(1):45-6  
A modified fyke net for the live  
capture of seaward-migrating salmon

Describes a net fitted with a plywood  
line box capable of taking fish &  
maintaining them in good condition  
in velocities from 3 to 5ft per  
second.

WAD:wad

MF

Jones, R.A. (1959) 59-3758  
Progr.Fish-Cult., 21(1):39-42  
Modifications on an alternate-polarity  
electrode

Describes improvements on this type  
electric fish shocker to increase  
safety, durability & effectiveness.

WAD:wad

F

Hublou, W.F. (1959) 59-3761  
Progr.Fish-Cult., 21(1):47-8  
A plexiglas constant-flow siphon

Describes an improved siphon to  
administer malachite green to  
incubating fish eggs.

WAD:wad

F

Leitritz, E. (1959) 59-3759  
Progr.Fish.Cult., 21(1):43-4  
Mechanical dry-feed dispensers

Describes a dry-feed dispenser for  
feeding small trout in troughs &  
nursery tanks & a pellet blower for  
feeding pond fish.

WAD:wad

F

Leech, F.B. & 59-3762  
M.J.R. Healy (1959)  
Biometrics, 15(1):98-106  
The analysis of experiments on  
growth rate

A method is presented for the  
analysis of experiments in which  
successive measurements of the same  
quantity on the same organism are made  
at equal intervals of time. The  
specification & estimation of  
treatment effects are discussed & the  
method is applied to an experiment on  
the growth rate of pigs.

FAO:glk

G



Bary, B.M. (1959) 59-3763

Pacif.Sci., 13(1):14-54

Species of zooplankton as a means of identifying different surface waters and demonstrating their movements and mixing

Spp. have been selected as indicators of the constituent waters of an area about southern New Zealand where waters of subtropical & subantarctic origins are mixing together, & with coastal water. The surface waters entering the area are identified by their temperature-salinity relationships.

FAO:bmb

M

Gosline, W.A. (1959)

59-3766

Pacif.Sci., 13(1):67-77

Four new species, a new genus, and a new suborder of Hawaiian fishes

Description of 3 new spp. of Gobiidae, Quisquilius aureoviridis, Q. limbatosquamis & Hazeus unisquamis, a new genus & sp. of Callionymidae, Pogonymus pogonathus, & a new suborder of Perciformes, Schindlerioidae, erected for the fishes of the genus Schindleria.

FAO:glk

M

Wollaston, E.M. &

59-3764

H.B.S. Womersley (1959)

Pacif.Sci., 13(1):55-62

The structure and reproduction of Gulsonia annulata Harvey (Rhodophyta)

Vegetative features, Tetrasporangia, Spermatangia, female plant & carposporophyte, systematic position.

FAO:glk

Reish, D.J. (1959)

59-3767

Pacif.Sci., 13(1):78-80

A new species of polychaetous annelid (family Capitellidae) from Southern California

Description of Scyphoproctus oculatus n. sp. & discussion of its position.

FAO:glk

M

Winkler, L.R. (1959)

59-3765

Pacif.Sci., 13(1):63-6

A mechanism of color variation operating in the west coast sea hare, Aplysia californica Cooper

Account of fecal pellets analysis & of experiments to modify coloration by changes in diet.

FAO:glk

M

Richardson, I.D. (1959)

59-3768

World Fish., 8(4):76-8

Synthetic drift nets - Some preliminary observations

Account of the behaviour of the nets in operation.

FAO:glk

M

Ommanney, F.D. (1959) 59-3769

J.Inst.Biol., 6:32-4

Fisheries research in Hong Kong

Brief account of the history of the Fishery Research Unit in the University of Hong Kong, of the aims & the main lines of its work.

GLK:glk

MF

Krstinić, L. (1959) 59-3772

Morsk.Ribarstv., 11:21-5

Lov tuna udicom i živom mekom

(Tuna fishing by means of angles and live bait)

Review of tuna fisheries in the world with emphasis on fisheries development in France. Description of methods of catching tuna.

FiB:tl

M

Racek, A.A. (1959) 59-3770

Res.Bull.St.Fish., N.S.W., (6):57 p.

Prawn investigations in Eastern Australia

Study of distribution, migrations, abundance, sex ratio, maturity stages, & effect of lunar periodicity on migration, moulting, breeding & general activity in stocks of penaeid prawns in waters of New South Wales.

GLK:glk

M

Ichiye, T. (1959) 59-3773

J.geophys.Res., 64:175-89

On the response of western boundary currents to variable wind stresses

A simple relation between the wind stress torque over the whole ocean & mass transport of the western currents is obtained. Mass transport is compared with that derived from Stommel's frictional boundary theory. The mass transport by periodically changing wind stress is computed.

TL:tl

M

IHB (1959)

59-3771

Monte-Carlo, 26 p.

International hydrographic bulletin no. 3. En Fr

Contains notes on activities of the Bureau & information on charts, sailing directions, lights, radio aids to navigation, tides & currents, astronomy & geodesy; oceanography & magnetism, work carried out & projected, & new charts & new editions of charts.

FAO:glk

M

Donn, W.L. (1959) 59-3774

J.geophys.Res., 64:191-8

The Great Lakes storm surge of May 5, 1952

Storm surge of May 5, 1952, is explained on the basis of resonant coupling to edge & gravity waves. The creation of above-normal seiches & their dependence on the morphology of the lake is analysed.

TL:tl

F

Chappelear, J.E. (1959) 59-3775  
J.geophys.Res., 64:199-208  
Wave forces on groups of vertical  
cylinders

Employing certain assumptions, the  
laminar velocity field is calculated  
around the cylinders. Application  
of the method is ill. & experimental  
evidence given.

TL:tl

M

Naumov, A.G. (1959) 59-3778  
C.R.Acad.Sci.U.R.S.S., 125:621-4  
Kolichestvennoe raspredelenie  
zooplanktona v iuzhnoi chasti  
Tikhogo okeana (The quantity  
distribution of zooplankton in the  
south of the Pacific)

Annotation to follow.

FAO:

M

Larsen, K. (1959) 59-3776  
Dansk FiskTid., 77:151  
Ændrede gemmeldingsregler fastsat i  
forbindelse med forsøgsudsætning af  
ørreder i saltvand og brakvand  
(Changed rules established for the  
reporting of recaptures of tagged  
trout in connection with experimental  
transplantation into salt and brackish  
water)

Description of the rules for reporting  
of captured, tagged & fin net trout.  
No reward is given for small recaptured  
tagged fish.

FAO:tl

MF

Nikoliukin, N.I. & 59-3779  
G.V. Shpilevskaja (1959)  
C.R.Acad.Sci.U.R.S.S., 125:646-9  
Vozvratnye gibridy sterliatsi i  
belugi v sravnenii s iskhodnymi  
formami (The back-cross hybrids  
between Acipenser ruthenus and Huso  
huso, as compared to the original  
forms)

Annotation to follow.

FAO:

MF

International Labour 59-3777  
Office (1959)  
Geneva, 41 p.  
Conditions of work of fishermen

A summary & a brief analysis are given  
of the replies received from the  
governments of Members on the subject  
of the proposed texts of Conventions  
concerning the minimum age for  
admission of fishermen to employment,  
the medical examination of fishermen,  
& fishermen's articles of agreement.

FAO:ilo

MF

Konstantinova, M.I. (1959) 59-3780  
C.R.Acad.Sci.U.R.S.S., 125:677-80  
Dvizhenie pelagicheskikh lichinok  
Heteromastus filiformis Clap  
(The motion of pelagic larvae of  
Heteromastus filiformis Clap)

Annotation to follow.

FAO:

M



Traung, J.-O. (Ed.) (1957) 59-3781  
Hillman & Sons Ltd., Frome, England,  
 579 p.  
 Fishing boats of the world  
 Photolith in reproduction of 1955  
 printing.

FiB:sjh

M

Flemister, L.J. (1958) 59-3784  
Biol.Bull., Woods Hole, 115:180-200  
 Salt and water anatomy, constancy and  
 regulation in related crabs from marine  
 and terrestrial habitats

Investigation of the relation between  
 the electrolyte concentration in  
 animals & sea water & determination of  
 the degree, pathways of electrolyte &  
 water regulation. The following crabs  
 were used: Ocypode albicans,  
Gecarcinus lateralis & Goniopsis  
cruentatus.

FAO:tl

M

Black, R.E., S. Epstein 59-3782  
 & A. Tyler (1958)  
Biol.Bull., Woods Hole, 115:153-61  
 The oxidation of carbon monoxide by  
 fertilized eggs of Urechis caupo shown  
 by use of a C<sup>13</sup> label

Contents as per title.

FAO:glk

M

Lane, C.E. & 59-3785  
 E. Dodge (1958)  
Biol.Bull., Woods Hole, 115:219-26  
 The toxicity of Physalia nematocysts

Description of the separation of  
 nematocysts from the siphonophore  
Physalia physalis & preliminary data  
 on the composition & toxicity of the  
 separated components.

FAO:tl

M

Fänge, R. & 59-3783  
 J.B. Wittenberg (1958)  
Biol.Bull., Woods Hole, 115:172-9  
 The swimbladder of the toadfish  
 (Opsanus tau L.)

Description of the structure of  
 swimbladder, gas gland & its  
 vascular supply.

FAO:tl

M

Manwell, C. (1958) 59-3786  
Biol.Bull., Woods Hole, 115:227-38  
 On the evolution of hemoglobin.  
 Respiratory properties of the hemo-  
 globin of the California hagfish,  
Polistotrema stouti

Evaluation of the oxygen equilibrium of  
 the hemoglobin of Polistotrema stouti,  
 a Myxinoidia & criticism on several  
 aspects of Wald's theories on the  
 evolution & function of hemoglobin  
 in view of the obtained data.

FAO:tl

M



Ryther, J.H. & al. (1958) 59-3787  
Biol.Bull., Woods Hole, 115:257-68  
The dynamics of a diatom bloom

Study of a diatom bloom in a tidal creek, Long Island, N.Y., over 40-hour period. - Influence of environmental conditions - pH; O<sub>2</sub> S<sup>o</sup>/oo; - relation between plant pigment content & light intensities & measurement of primary production.

FAO:tl

MF

Zwilling, E. (1958) 59-3790  
Biol.Bull., Woods Hole, 115:319  
Complete reconstitution from ectoderm in Cordylophora

Abstr. of paper presented at the Marine Biological Laboratory, July 1, 1958.

FAO:

M

Stunkard, H.W. & 59-3788  
J.R. Uzmann (1958)  
Biol.Bull., Woods Hole, 115:276-302  
Studies on digenetic trematodes of the genera Gymnophallus and Parvatrema

Review of earlier literature & description of adult worms metacercariae, sporocysts & cercariae found in various marine molluscs & experiments with marine birds as intermediate hosts of the parasite.

FAO:tl

M

Galtsoff, P.S. (1958) 59-3791  
Biol.Bull., Woods Hole, 115:320  
Coordination of ciliary motion and muscular contractions in the gills of Crassostrea virginica

Abstr. of paper presented at the Marine Biological Laboratory, July 8, 1958. Experimental study of intact gills, exposed by partial removal of shell, of connection between spontaneous contractions of the adductor muscle & ciliary motion.

FAO:glk

MF

Webb, H.M. & 59-3789  
F.A. Brown, Jr. (1958)  
Biol.Bull., Woods Hole, 115:303-18  
The repetition of pattern in the respiration of Uca pugnax

Characterization of the diurnal & lunar-day rhythms of O<sub>2</sub> - consumption & investigation of the persistence of the lunar-day rhythm in the environment where tidal effects were absent.

FAO:tl

M

Davenport, D. (1958) 59-3792  
Biol.Bull., Woods Hole, 115:323  
A technique for the study of the effects of "host-factor" on the behaviour of commensal polychaetes and crustacea

Abstr. of paper presented at the Marine Biological Laboratory, July 29, 1958. A new technique to analyze the behaviour of the individual commensal polychaete or crustacean when influenced by "host-factor", with regard to specificity of response of commensals & giving quantitative data to

59-3792  
(Card 2)

demonstrate the presence or absence  
of chemotaxes, rheotaxes & kineses.

FAO:dd

MF

Metz, C.B. (1958) 59-3796  
Biol.Bull., Woods Hole, 115:325  
Fertilization and agglutination  
inhibitors from Arbacia

Abstr. of paper presented at the  
Marine Biological Laboratory, August 5,  
1958. Study of a dermal secretion,  
previously shown to inhibit  
fertilization, with regard to the role  
of fertilizin in fertilization.

FAO:glk

M

Shaw, E. (1958) 59-3794  
Biol.Bull., Woods Hole, 115:324  
The development of schooling behaviour  
in the genus Menidia

Abstr. of paper presented at the  
Marine Biological Laboratory, July 29,  
1958. Notes on the characteristic  
developmental pattern of approach &  
orientation of schooling of fish larvae  
of various sizes.

FAO:tl

M

Rebhun, L.I. (1958) 59-3797  
Biol.Bull., Woods Hole, 115:325  
Behaviour of metachromatic granules  
during cleavage in Spisula

Abstr. of paper presented at the  
Marine Biological Laboratory, August 5,  
1958. Study by vital staining &  
electro microscopy.

FAO:glk

M

Colwin, A.L. & 59-3795  
L.H. Colwin (1958)  
Biol.Bull., Woods Hole, 115:324  
Effects of sperm extract and other  
agents on the egg membranes in relation  
to sperm entry in Hydroides hexagonus

Abstr. of paper presented at the  
Marine Biological Laboratory, August 5,  
1958. Electron microscope studies of  
structure of outer covering of egg & of  
membrane lytic action of an agent  
produced by spermatozoans.

FAO:glk

M

de Villafranca, G.W., T.S. 59-3798  
Scheinblum & D.E. Philpott (1958)  
Biol.Bull., Woods Hole, 115:325-6  
The A band of muscle from Limulus  
polyphemus

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 5, 1958. Morphology - studied  
by phase contrast & electron  
microscopy - & chemistry of fibrils  
of this muscle.

FAO:glk

M

Heilbrunn, L.V. & 59-3799  
W.L. Wilson (1958)  
Biol.Bull., Woods Hole, 115:328  
A physical study of the ground  
substance of the Spisula egg

Abstr. of paper presented at the  
Marine Biological Laboratory, August 19,  
1958. Measurement of protoplasmic  
viscosity in the eggs of the clam  
Spisula solidissima before & after  
germinal vesicle breakdown.

FAO:glk

M

Eccles, R.M. & 59-3802  
L.G. Brock (1958)  
Biol.Bull., Woods Hole, 115:330  
The membrane potentials during rest  
and activity of the electroplate of  
Raia clavata

Abstr. of paper presented at the  
Marine Biological Laboratory, July 17,  
1958. The electrical responses of  
individual electroplates were  
investigated with intracellular  
micropipettes in organs isolated from  
Raia clavata.

FAO:glk

M

Feldherr, C. (1958) 59-3800  
Biol.Bull., Woods Hole, 115:328-9  
Physical properties of lobster nerve  
axoplasm

Abstr. of paper presented at the  
Marine Biological Laboratory, August 19,  
1958. Study of giant lobster axons  
with the aid of micro-infection  
methods & phase contrast microscopy.

FAO:glk

M

Bennett, M.V.L., R.D.Keynes 59-3803  
& H. Grundfest (1958)  
Biol.Bull., Woods Hole, 115:330  
Electric organ electrogenesis in  
Malapterurus electricus

Abstr. of paper presented at the  
Marine Biological Laboratory, July 17,  
1958. Analysis of microelectrode  
recordings from single electroplax of  
the African catfish to find  
explanation of apparently aberrant  
features.

FAO:glk

F

Merriam, R.W. (1958) 59-3801  
Biol.Bull., Woods Hole, 115:329  
The nuclear envelope as a possible  
agent in specific synthetic events in  
the cytoplasm of sand dollar eggs

Abstr. of paper presented at the Marine  
Biological Laboratory, August 19, 1958.  
Study of the structure & behaviour of  
"intranuclear membranes" during  
vitellogenesis & after maturation  
divisions.

FAO:glk

M

Bryant, S.H. (1958) 59-3804  
Biol.Bull., Woods Hole, 115:331  
Aspects of synaptic transmission in  
the squid stellate ganglion

Abstr. of paper presented at the  
Marine Biological Laboratory, August 7,  
1958. The synaptic excitation of the  
stellar giant axons & recent studies  
supporting a chemical transmission  
process at the distal (giant) synapses  
were reviewed. Evidence for, & the  
properties of, the proximal (accessory)  
excitatory synapses. New data showing  
the effects of somotic pressure, ions,



<p>59-3804 (Card 2) fatigue &amp; temperature on synaptic delay in perfused excised ganglia.</p>	<p>Armstrong, P.B. (1958) 59-3808 <u>Biol.Bull., Woods Hole, 115:332-3</u> Retinal development and phototactic responses in developing <u>Ameiurus</u> embryos</p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-8, 1958.</p>
<p>FAO:shb M</p> <p>Bennett, M.V.L. &amp; al. (1958) 59-3806 <u>Biol.Bull., Woods Hole, 115:331</u> Electroplaque activity in marine electric fishes</p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 14, 1958. Study of the responses of electroplax of <u>Astroscopus guttatus</u>, <u>Narcine brasiliensis</u> &amp; <u>Torpedo</u> <u>occidentalis</u> to chemical agents.</p> <p>FAO:tl M</p>	<p>FAO:glk F</p> <p>Doolittle, R.F. &amp; al. (1958) 59-3809 <u>Biol.Bull., Woods Hole, 115:335</u> Some aspects of the chemical composition of the aqueous humour and plasma of the smooth dogfish</p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 15-28, 1958. Comparative chemical analysis &amp; discussion of the mechanisms of aqueous humour formation, &amp; maintenance of the intraocular pressure.</p> <p>FAO:tl M</p>
<p>Grundfest, H., J.P. Reuben 59-3807 &amp; W.H. Rickles, Jr. (1958) <u>Biol.Bull., Woods Hole, 115:332</u> Electrophysiology and pharmacology of lobster muscle fibers</p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 21, 1958. Studies with intracellular micro- electrodes analyzed drug- &amp; ion- induced alterations of lobster muscle fiber membrane.</p> <p>FAO:hg M</p>	<p>Jackson, S.F. (1958) 59-3810 <u>Biol.Bull., Woods Hole, 115:335</u> Some aspects of morphogenesis in ascidians</p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Comparative studies are being made on certain aspects of growth patterns in the ascidians <u>Ciona intestinalis</u>, <u>Molgula</u> <u>manhattensis</u>, <u>Perophora listeri</u>, <u>Botryllus schlosseri</u> &amp; <u>Amaroucium</u> <u>constellatum</u>: a general survey has been carried out on the main fine- structural characteristics of the different cell types.</p> <p>FAO:sfj M</p>



<p>Haneda, Y., F.H. Johnson 59-3811 &amp; E.H.-C. Sie (1958) <u>Biol.Bull., Woods Hole, 115:336</u> Luciferin and luciferase extracts of a fish, <u>Apogon marginatus</u>, and their luminescent cross-reactions with those of a crustacean, <u>Cypridina hilgendorffii</u></p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Extracts from either anterior or posterior photogenic organs. Quantitative data, on cross-reactions, with regard to rate of light emission &amp; total light.</p> <p>FAO:glk M</p>	<p>Jenner, C.E. (1958) 59-3814 <u>Biol.Bull., Woods Hole, 115:337-8</u> An attempted analysis of schooling behaviour in the marine snail <u>Nassarius obsoletus</u></p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Analyses of factors causing the schooling &amp; behaviour of individuals &amp; the school as unity &amp; factors affecting this behaviour.</p> <p>FAO:tl M</p>
<p>Harvey, E.N. &amp; 59-3812 S.P. Marfey (1958) <u>Biol.Bull., Woods Hole, 115:336-7</u> Fluorescence, phosphorescence and bioluminescence in the ctenophore, <u>Mnemiopsis leidyi</u></p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Account of the bioluminescence system.</p> <p>FAO:glk M</p>	<p>Kennedy, D. (1958) 59-3815 <u>Biol.Bull., Woods Hole, 115:338</u> Neural photosensitivity in <u>Mactra</u></p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Analysis, by oscillographic recording from pallial nerve, of discharges of a single neuron under various intensities &amp; durations of light stimulus.</p> <p>FAO:glk M</p>
<p>Hathaway, R.R. &amp; 59-3813 A. Tyler (1958) <u>Biol.Bull., Woods Hole, 115:337</u> Evidence for the splitting-off of S<sup>35</sup>-labelled sulfate from the fertilizin of <u>Arbacia</u> eggs upon the spontaneous reversal of sperm-agglutination</p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Experiments on removal of S<sup>35</sup> from supernatant under various conditions of agglutination &amp; reversal.</p> <p>FAO:glk M</p>	<p>Lenhoff, H.M. &amp; 59-3816 H.A. Schneiderman (1958) <u>Biol.Bull., Woods Hole, 115:338</u> The humoral control of feeding in <u>Physalia</u> and its evolutionary significance</p> <p>Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Experimental demonstration of response of gastrozooids to active principle (GSH) in fish blood &amp; discussion of the role of nematocysts in feeding, &amp; of evolutionary relations among the Cnidaria.</p> <p>FAO:glk M</p>

Marfey, S.P., L.C. Craig 59-3817

& E.N. Harvey (1958)

Biol.Bull., Woods Hole, 115:339

Fractionation of Cypridina luciferin  
and its benzoyl derivative

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Method of isolation  
characteristics.

FAO:glk

M

Rosenblum, W. & 59-3820

B. Zweifach (1958)

Biol.Bull., Woods Hole, 115:340-1

The action of certain chemical agents  
upon squid chromatophores

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Analysis of  
chromatophore changes by contraction  
or relaxation of smooth muscle  
fibres as approach to study of basic  
mechanisms of smooth muscle  
activity.

FAO:glk

M

Monroy, A. & 59-3818

A. Tyler (1958)

Biol.Bull., Woods Hole, 115:339-40

Changes in efflux and influx of  
potassium upon fertilization in eggs  
of Arbacia punctulata, measured by  
use of  $K^{42}$ .

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Substantiation of  
earlier finding of increase, upon  
fertilization, in rate of release of  
 $K^{42}$  from eggs, & closed estimate of  
magnitude & time course of the change.

FAO:glk

M

Shirodkar, M.V., F.B. Bang 59-3821

& A. Warwick (1958)

Biol.Bull., Woods Hole, 115:341

Antibacterial action of Limulus blood  
in an in vitro system

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Use of "intact" &  
"partially intact systems" to  
demonstrate action of Limulus blood  
against bacteria isolated from  
oysters.

FAO:glk

M

Parpart, A.K., J. Cagle 59-3819

& L. Wood (1958)

Biol.Bull., Woods Hole, 115:340

Action of enzymes on the hyalines of  
the Arbacia egg

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Experimental  
approach to composition of the  
hyalines.

FAO:glk

M

Stephens, G.C. & 59-3822

R.A. Schinske (1958)

Biol.Bull., Woods Hole, 115:341-2

Amino acid uptake in marine  
invertebrates

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Observations to  
extend a previous report of the  
uptake of amino acids from sea water  
by ciliary-mucoid filter feeding  
animals. 35 spp., representing 12  
animal phyla, were used.

FAO:gcs

M

Auclair, W. (1958) 59-3823  
Biol.Bull., Woods Hole, 115:342-3  
Methyl green "vital staining" in  
Arbacia eggs

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Method of staining;  
behaviour of stained particles, &  
course of development.

FAO:glk

M

Brown, F.A., Jr., W.J. Brett 59-3826  
& H.M. Webb (1958)  
Biol.Bull., Woods Hole, 115:345  
The rhythmic nature of metabolism in  
Ilyanassa in constant conditions

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Hourly values of  
O<sub>2</sub>-consumption of the mud snail,  
Ilyanassa, were obtained continuously  
for 33 days under conditions of  
constant temperature, pressure &  
illumination.

FAO:fab

M

Bang, F.B. & 59-3824  
S.M. Krassner (1958)  
Biol.Bull., Woods Hole, 115:343  
Antibacterial activity of Phascolosoma  
gouldii blood

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Attempts at culture  
of the bacteria; & their identification.

FAO:tl

M

Brown, F.A., Jr., H.M. Webb 59-3827  
& W.J. Brett (1958)  
Biol.Bull., Woods Hole, 115:345  
Correlation between O<sub>2</sub>-consumption in  
Fucus in constant conditions,  
including pressure, and specific  
barometric-pressure parameters

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Oxygen-consumption  
was monitored for about one lunar  
month during each of the 5 summers,  
1954 through 1958, in Fucus kept in  
constant conditions of temperature,  
light, pressure, & humidity. A total

Bernatowicz, A.J. (1958) 59-3825  
Biol.Bull., Woods Hole, 115:344  
A Bermudian marine Vaucheria at Cape  
Cod

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Vaucheria nasuta  
Taylor & Bernatowicz, heretofore  
known only from Bermuda, is reported  
from the salt marsh at Barnstable,  
Massachusetts.

FAO:ajb

M

59-3827  
(Card 2)  
of 130 uninterrupted days of data  
was obtained.

FAO:fab

M



Brownell, K.A. & 59-3829

F.A. Hartman (1958)

Biol.Bull., Woods Hole, 115:345-6

The interrenal of the sting ray

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Description of the interrenal tissue of Dasyatis centrura & notes of its histological study.

FAO:tl

M

Claff, C.L., F.N. Sudak 59-3832

& V. Moloney (1958)

Biol.Bull., Woods Hole, 115:347-8

Survival of Uca pugnax in sand, water and vegetation contaminated with 2,4 dichlorophenoxyacetic acid

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Fiddler crabs, Uca pugnax, were exposed to various concentrations of the commercial weed killer 2,4 dichlorophenoxyacetic acid which was sprinkled on the sand & vegetation in their confinement basins.

FAO:clc

MF

Burbanck, W.D. & 59-3830

M.P. Burbanck (1958)

Biol.Bull., Woods Hole, 115:346

Chromosomes of the estuarine isopod, Cyathura sp.

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Cytological technique employed on specimens collected near Wood's Hole.

FAO:glk

MF

Collier, J.R. (1958) 59-3833

Biol.Bull., Woods Hole, 115:348

A study of ribonucleic acid during the development of Ilyanassa obsoleta

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. A micromethod based on the procedure of Ogur & Rosen was used for separation of the ribonucleic acid, RNA, in the Ilyanassa egg, & the amount of RNA was determined by spectrophotometry.

FAO:jrc

MF

Chaet, A.B. & 59-3831

S.I. Cohen (1958)

Biol.Bull., Woods Hole, 115:347

A source of the toxic factor(s) in scalded starfish

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Origin of the toxin released from scalded starfish which causes autotomy & eventual death when injected into normal recipient Asterias.

FAO:abc

M

Colwin, A.L. & 59-3834

L.H. Colwin (1958)

Biol.Bull., Woods Hole, 115:348

Some characterization of the egg membrane lytic agent derived from sperm extracts of Hydroides hexagonus

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958.

FAO:glk

M



Colwin, L.H. & 59-3835  
A.L. Colwin (1958)  
Biol.Bull., Woods Hole, 115:349  
The effects of certain enzymes and  
other substances on the egg membranes  
of Hydroides hexagonus

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Dubnau, D. (1958) 59-3838  
Biol.Bull., Woods Hole, 115:350  
Substrate induction of adenosine  
deaminase activity in Arbacia embryos

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Demonstration of  
a substrate-induced increase of  
adenosine deaminase activity in  
Arbacia punctulata embryos as a  
means of studying synthesis of  
specific proteins in developing  
tissues.

FAO:glk

M

Costello, D.P. (1958) 59-3836  
Biol.Bull., Woods Hole, 115:349  
Membrane removal from the egg of the  
annelid, Hydroides

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Use of isosmotic  
NaCl.

FAO:glk

M

Faust, R.G. & 59-3839  
A.K. Parpart (1958)  
Biol.Bull., Woods Hole, 115:350-1  
Permeability studies on Arbacia  
punctulata eggs

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Volume changes on  
Arbacia eggs were produced by the  
addition of ethylene glycol or NaCl  
to sea water. These changes were  
recorded by means of a photoelectric  
densimeter.

FAO:rgf

M

Crane, R.K. & al. (1958) 59-3837  
Biol.Bull., Woods Hole, 115:350  
The action of substituted phenols on  
the conversion of glucose-1-C<sup>14</sup> and  
glucose-6-C<sup>14</sup> to carbon dioxide by the  
eggs of Arbacia punctulata

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Fingerman, M., M.E. Lowe 59-3840  
& B.I. Sundararaj (1958)  
Biol.Bull., Woods Hole, 115:351  
Direct evidence for a distal retinal  
pigment dark-adapting hormone in  
Palaemonetes vulgaris

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Fingerman, M., M.I. Sandeen 59-3841  
& M.E. Lowe (1958)

Biol.Bull., Woods Hole, 115:351-2  
Influence of long-term background  
adaptation on the lability of  
chromatophores and the sources of  
chromatophorotropins in Palaemonetes  
vulgaris

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Harvey, E.B. (1958) 59-3844  
Biol.Bull., Woods Hole, 115:352-3

A crescent-shaped figure in the  
hyaline layer of the Arbacia egg

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Characteristics &  
occurrence of the figure, & attempts  
to determine its chemical nature.

FAO:glk

M

Fingerman, M., B.I. 59-3842  
Sundararaj & M.I. Sandeen (1958)

Biol.Bull., Woods Hole, 115:352  
Further studies on the chromatophoro-  
tropins of Palaemonetes vulgaris

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. 2 studies were  
initiated to define the nature of the  
antagonistic chromatophorotropins  
controlling dispersion & concentration  
of the dark red pigment in Palaemonetes

FAO:mf

M

Henley, C. (1958) 59-3845  
Biol.Bull., Woods Hole, 115:353-4

Studies on membrane elevation in the  
eggs of Chaetopterus and Nereis

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Study of effects  
of several agents on membrane  
elevation in inseminated eggs of  
Chaetopterus & Nereis to test an  
hypothesis concerning the cause of  
waves of contraction in the vitelline  
membrane.

FAO:glk

M

Green, J.W. & 59-3843  
T.A. Borgese (1958)

Biol.Bull., Woods Hole, 115:352  
Sodium and potassium in photosensitized  
fish red cells

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. The object of the  
present study has been to examine the  
action of the fluorescent dye rose  
bengal on Na & K exchanges in fish red  
cells from Dasyatis, Scomber &  
Lophius.

FAO:jwg

M

Holz, G.G., Jr. (1958) 59-3846  
Biol.Bull., Woods Hole, 115:354

Mercaptoethanol and Tetrahymena

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. The effects of 2-  
mercaptoethanol on morphogenesis,  
nuclear division & cleavage have been  
tested on Tetrahymena pyriformis (MTI,  
V1) whose division was synchronized by  
temperature changes (5 alternate half-  
hour periods at 43° & 35°C). Results  
demonstrate the lack of a sharp  
specificity of action of mercapto-  
ethanol on a particular stage of

59-3846  
(Card 2)  
morphogenesis or micronuclear  
division, & a possible inhibitory  
action on cell syntheses necessary  
for growth.

FAO:ggh

F

Krane, S.M. & 59-3850  
R.K. Crane (1958)  
Biol.Bull., Woods Hole, 115:355  
Changes in the levels of triphospho-  
pyridine nucleotide in the eggs of  
Arbacia punctulata subsequent to  
fertilization: presence of pyridine  
nucleotide transhydrogenase and  
diphosphopyridine nucleotide kinase

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Keltch, A.K. & al. (1958) 59-3848  
Biol.Bull., Woods Hole, 115:354  
The action of pentahalophenols on  
oxygen consumption and cell division  
and on the glucose-6-phosphate  
dehydrogenase of the eggs of Arbacia  
punctulata

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Lenhoff, H.M. (1958) 59-3851  
Biol.Bull., Woods Hole, 115:356  
The biological and chemical mechanisms  
of protein utilization by Hydra

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August, 25-28, 1958. By inducing a  
feeding response in Hydra with  
reduced glutathione it was possible to  
make them ingest tissue containing  
protein labeled with radioactive  
sulfur. The fate of the ingested  
protein was studied by chemical  
fractionation & radioautography.

FAO:hml

M

Kivy-Rosenberg, E., K.S. 59-3849  
Kagey & J. Cascarano (1958)  
Biol.Bull., Woods Hole, 115:354-5  
Dehydrogenase activity in developmental  
stages of Spisula as measured with a  
tetrazolium salt

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Marsland, D. & 59-3852  
W. Auclair (1958)  
Biol.Bull., Woods Hole, 115:356  
Experimental induction of cleavage  
furrows in the Arbacia egg

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Examination of the  
role played by metachromatic  
granulated vacuoles in the furrowing  
reaction.

FAC:glk

M



Nace, P.F. & al. (1958) 59-3853  
Biol.Bull., Woods Hole, 115:357  
Hyperglycemia and islet damage after  
intracardiac injection of alloxan in  
toadfish

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Histological &  
blood sugar studies of toadfish,  
Opsanus tau, injected with alloxan  
by gill arch, subcutaneous, intra-  
peritoneal & intramuscular routes.

FAO:pfn

M

Rubinoff, I. & 59-3856  
E. Shaw (1958)  
Biol.Bull., Woods Hole, 115:361  
Artificial hybridization between  
two species of Menidia (silverside  
fishes)

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Fin ray counts of  
hybrids of Menidia menidia & M.  
beryllina.

FAO:tl

MF

Osterhout, W.J.V. (1958) 59-3854  
Biol.Bull., Woods Hole, 115:358  
Changes in behaviour of the cell wall  
and cytoplasm due to injuries in  
Nitella flexilis

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Results of injuries  
caused by bending & tested with dyes.

FAO:hr

F

Rugh, R. & 59-3857  
E. Grupp (1958)  
Biol.Bull., Woods Hole, 115:362  
The effect of x-irradiation of the  
early fish embryo

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Study designed to  
determine whether the nervous,  
muscular, or circulatory systems  
might be specifically affected  
following x-irradiation of pre-  
differentiation stages.

FAO:rr

F

Rockstein, M., J. Cohen 59-3855  
& S.A. Hausman (1958)  
Biol.Bull., Woods Hole, 115:361  
A photosensitive pigment from the  
dorsal skin and eyespots of the star-  
fish, Asterias forbesi

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Properties of this  
pigment.

FAO:glk

M

Sanborn, R.C. (1958) 59-3858  
Biol.Bull., Woods Hole, 115:362  
Ionic regulation in a spider crab

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Test of the  
ability of the sheath surrounding  
the supra-esophageal & thoracic  
ganglia of Libinia emarginata to  
regulate the osmotic & ionic  
composition of tissues within.

FAO:glk

MF

Schechter, V. (1958) 59-3859  
Biol.Bull., Woods Hole, 115:362-3  
Water relations of the Spisula egg

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Work directed chiefly toward the effect of water, introduced under hypotonic conditions in the medium, upon nuclear dynamics.

FAO:vs

M

Segal, S.J. & 59-3862  
A. Tyler (1958)  
Biol.Bull., Woods Hole, 115:364  
Inhibiting action of a triphenylethanol derivative on the development of eggs of Arbacia punctulata and on the fertilizing capacity of the sperm

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958.

FAO:glk

M

Schuel, H. (1958) 59-3860  
Biol.Bull., Woods Hole, 115:363  
Urethan inhibition of cleavage in the Chaetopterus egg and its antagonism by various substances

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958.

FAO:glk

M

Segal, S.J. & 59-3863  
A. Tyler (1958)  
Biol.Bull., Woods Hole, 115:364-5  
Structure-activity-relationships concerning the inhibitory activity of synthetic estrogens and some triphenyl-ethanol derivatives on developing eggs of Arbacia punctulata

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958.

FAO:glk

M

Scott, S.F.M. (1958) 59-3861  
Biol.Bull., Woods Hole, 115:363-4  
Affinity of tissues in reconstituting tunicates

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Account of implantation of parts of zooids of Amaroecium constellatum into older individuals.

FAO:glk

M

Shaw, E. (1958) 59-3864  
Biol.Bull., Woods Hole, 115:365  
A study of current orientation as a stimulus to schooling behaviour in Menidia

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. To evaluate the influence of current flow on the development of schooling, fish were reared to a length of 15 mm in bowls of still water. Under these conditions, schooling developed at the same age & with the same characteristic patterns

59-3864  
(Card 2)

found among fishes reared in a moderate current flow.

FAO:es

MF

Steinberger, W.W. & 59-3868  
C.L. Prosser (1958)

Biol.Bull., Woods Hole, 115:366-7  
Conduction in dogfish spiral-valve retractor and Phascolosoma proboscis retractor muscles

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Description of contractions & action potentials under various stimuli.

FAO:glk

M

Shaw, E. (1958) 59-3866  
Biol.Bull., Woods Hole, 115:365

A study of visual attraction as a stimulus to schooling behaviour in Menidia

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. To determine whether visual attraction is an important stimulus in the development of schooling in Menidia, experiments have been carried out by a technique of presenting a freely-swimming fish to a fish of the same size enclosed in a narrow glass tube.

FAO:es

MF

Stephens, G.C. & 59-3869  
J.P. Green (1958)

Biol.Bull., Woods Hole, 115:367  
Enzymatic inactivation of chromatophorotropic principles from the fiddler crab, Uca

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Experiments to test hypothesis that the green gland might possess the capacity to inactivate chromatophorotropins from other sources in the organism such as the sinus gland, thoracic cord & brain & circumesophageal connectives.

FAO:gcs

MF

Speidel, G.C. (1958) 59-3867  
Biol.Bull., Woods Hole, 115:366

The occurrence of amicronucleate tetrahymenae as facultative parasites in embryos of the catfish Ameiurus

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958.

FAO:glk

F

Stephens, G.C., B. Guttman 59-3870  
& J.P. Green (1958)

Biol.Bull., Woods Hole, 115:367-8  
Chromatophorotropic principles of the green gland of the fiddler crab, Uca

Abstr. of paper presented at the Marine Biological Laboratory, August 25-28, 1958. Description of a technique to measure the activity & experiments to modify it.

FAO:glk

MF



Stephens, G.C. & al. (1958) 59-3871  
Biol.Bull., Woods Hole, 115:368  
Studies on the effect of population  
size on the diurnal melanophore rhythm  
of the fiddler crab, Uca

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Observations on the  
changes in the amplitude of the rhythm  
under experimental conditions & to  
determine whether these changes were  
effected through the release of some  
metabolite or other chemical agent.

FAO:glk

MF

Wilber, C.G. (1958) 59-3874  
Biol.Bull., Woods Hole, 115:370  
Effect of temperature on circulation  
in Cistenides

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Measurement of  
rate of pulsation of major pulsating  
blood vessel.

FAO:glk

M

Tyler, A. & 59-3872  
R.R. Hathaway (1958)  
Biol.Bull., Woods Hole, 115:369  
Production of S35-labelled fertilizin  
in eggs of Arbacia punctulata

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Description of  
technique by which S35 was incorporated  
in fertilizin by its administration  
in the form of inorganic sulphate  
during the period of ripening of  
oocytes.

FAO:glk

M

Willey, C.H. (1958) 59-3875  
Biol.Bull., Woods Hole, 115:370-1  
The morphology of the copepod  
Congericola pallida from the gills of  
Conger vulgaris taken at Woods Hole

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Tweedell, K.S. (1958) 59-3873  
Biol.Bull., Woods Hole, 115:369  
A bacteria-free inhibitor of  
regeneration in Tubularia

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Inhibition of  
regeneration in Tubularia can be  
produced by bacteria-free filtrates of  
the culture medium.

FAO:kst

M

Wittenberg, J.B. (1958) 59-3876  
Biol.Bull., Woods Hole, 115:371  
Carbon monoxide in the float of  
Physalia

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Method of  
estimation.

FAO:glk

M

Wright, P.A. (1958) 59-3877  
Biol.Bull., Woods Hole, 115:371  
Glucagon and blood glucose in Lophius  
piscatorius

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958.

FAO:glk

M

Wittenberg, J.B. (1958) 59-3880  
Biol.Bull., Woods Hole, 115:372-3  
Active transport of oxygen

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Attempt  
experimentally to reduce to low levels  
the circulating oxyhemoglobin of  
locally available fishes, & in that  
way to study the function of the gas  
gland uncomplicated by the action of  
the rete.

FAO:jbw

M

Harding, C.V. (1958) 59-3878  
Biol.Bull., Woods Hole, 115:371-2  
The osmotic behaviour of marine oocyte  
nuclei

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Study of starfish,  
Spisula & Hydroides.

FAO:glk

M

Layne, J.N. (1958) 59-3881  
J.Mammal., 39(1):1-22  
Observations on freshwater dolphins  
in the upper Amazon



F

Harding, C.V. & 59-3879  
W.L. Hughes (1958)  
Biol.Bull., Woods Hole, 115:372  
Uptake of tritium-labeled thymidine by  
Arbacia eggs and embryos.

Abstr. of paper presented at the  
Marine Biological Laboratory,  
August 25-28, 1958. Investigations to  
measure the uptake of tritium-labeled  
thymidine into Arbacia punctulata eggs  
& embryos, & to determine if this  
uptake resulted in any inhibition of  
development.

FAO:cvh

M

Shaw, T.I. (1959) 59-3882  
Proc.roy.Soc., 150B:356-71  
The mechanism of iodide accumulation  
by the brown sea weed Laminaria  
digitata

Investigation of whether iodide ions  
or elementary iodine enter tissues of  
the weed by: selecting a number of  
agents likely to react rapidly with I<sub>2</sub>  
in sea water; comparing rates at which  
radio-iodine, in both elementary form  
& as iodide, enters the weed; &  
identifying the form in which iodine  
occurs in the tissues.

FAO:glk

M

Briggs, R., G.V. Dyke 59-3883  
& G. Knowles (1959)  
Wat.Waste Treatm.J., 7:197  
Electrical recorder for dissolved  
oxygen

F

Southgate, B.A. (1958) 59-3886  
J.Instn publ.Hlth Engrs, 57:177  
Discharge of sewage and industrial  
wastes to estuaries

MF

Merkens, J.C. (1958) 59-3884  
Wat.Waste Treatm.J., 7:150  
Studies on the toxicity of chlorine and  
chloramines to the rainbow trout

F

Gameson, A.L.H., J.W. Gibbs 59-3887  
& M.J. Barrett (1959)  
Wat. & Wat.Engng, 63:13  
A preliminary temperature survey of  
a heated river

F

Gameson, A.L.H., K.G. Vandyke 59-3885  
& C.G. Ogden (1958)  
Wat. & Wat.Engng, 62:489  
The effect of temperature on aeration  
at weirs

F

Delpierre, J. (1958) 59-3888  
Pêche marit., 37:593-602  
Où va la pêche du hareng? (Where  
is the herring fishery going?)

An analytical study of the herring  
fisheries encompassing a statistical  
historical review, decline in  
catches & its biological causes &  
present production, characteristics of  
the market, & future prospects.

FAO:hr

M



des Pallières, G.M. (1958) 59-3889  
Pêche marit., 37:603-5  
 La pêche aux harengs à Dieppe  
 (Herring fisheries in Dieppe)  
 Contents as per title.

FAO:hr

M

Clarke, R.B. & 59-3892  
 D.J. McCallion (1959)  
Canad.J.Res.(Zool.), 37:129-31  
 Specific inhibition of differentiation  
 in the frog embryo by cell-free  
 homogenates of adult tissues

Frog embryos were reared in media  
 containing cell-free homogenates of  
 adult brain or heart. The homogenates  
 specifically suppressed or inhibited  
 the development of these organs in  
 about 10-15% of the embryos tested.

FAO:rbc

F

Travis, W. (1959) 59-3890  
Dutton, New York, 221 p.  
 Beyond the reefs (1st ed.)

Webster, G.A. & 59-3893  
 T.W.M. Cameron (1959)  
Canad.J.Res.(Zool.), 37:211-2  
 On an unusual fish tapeworm from man

An abnormal specimen of Dibothrio-  
cephalus from a boy in Saskatchewan  
 has segments much longer than broad,  
 as well as a few abnormal triangular  
 ones. It is suggested that this may  
 be the results of anthelmintic action  
 or the physiological condition of the  
 host.

M

FAO:gaw

F

Marsden, J.R. (1959) 59-3891  
Canad.J.Res.(Zool.), 37:87-111  
 Phoronidea from the Pacific coast of  
 North America

Phoronis vancouverensis, P. pallida, P.  
psammophila, P. ovalis, P. harmeri &  
P. architecta(?) are described. It is  
 suggested that the phylum may be divided  
 into 4 categories of wide geographic  
 range. The characteristics of each of  
 these categories are discussed.

FAO:hr

M

Shaw, B.L. & 59-3894  
 H.I. Battle (1959)  
Canad.J.Res.(Zool.), 37:214-5  
 The chemical composition of the  
 gastric shield of the oyster  
Crassostrea virginica (Gmelin)

Description of tests which indicate  
 possible positive evidence that the  
 gastrod shield of C. virginica, like  
 that of Schizothoerus nutalli is  
 chitinous rather than chondroid in  
 nature.

FAO:hr

M

Fisheries Development 59-3895  
 Corporation of South Africa  
 Limited (1959)  
Galvin & Sales Ltd., Cape Town, 6 p.  
 Annual report presented at the  
 fourteenth annual general meeting held  
 at Cape Town on Wednesday, the 4th March  
 1959 (Covering period 1st October, 1957  
 to 30th September, 1958). En Ne

State of industry; activities of the  
 corporation; accounts; refers to  
 research on pilchards & maasbankers.  
 This issue contains photographs of new  
 laboratory & of 3 research vessels,  
 SARDINOPS, TRACHURUS & KUNENE.

FAO:sjh

M

Watson, M.R. & 59-3898  
 N.R. Silvester (1959)  
Biochem.J., 71:578-84  
 Studies of invertebrate collagen  
 preparations

The cuticle of Ascaris lumbricoides &  
 the Cuvierian tubules of Holothuria  
forskali have been submitted to  
 chemical analysis & some ancillary  
 physical studies.

FAO:mrw

M

Talbot, G.B. (1959) 59-3896  
Circ.U.S.Fish Wildl.Serv., (54):  
 Research facilities of the United States  
 Fishery Laboratory Beaufort, North  
 Carolina

Ill. description of laboratories,  
 library, accomodation & craft, with  
 notes on research programme.

FiB:sjh

M

Hela, I. & 59-3899  
 F. Koroleff (1959)  
Merentutkimuslait.Julk., (183):52 p.  
 Hydrographical and chemical data  
 collected in 1956 on board the R/V  
 ARANDA in the Baltic Sea

Programmes of the cruises & tabulated  
 hydrographical & chemical data.

FAO:tl

MF

Plack, P.A., S.K. Kon 59-3897  
 & S.Y. Thompson (1959)  
Biochem.J., 71:467-76  
 Vitamin A<sub>1</sub> aldehyde in the eggs of the  
 herring (Clupea harengus L.) and other  
 marine teleosts

Investigation of the discrepancy  
 between the results obtained by  
 chemical determination & those  
 obtained by biological assay.

FAO:glk

M

Kohn, A.J. (1959) 59-3900  
Ecol.Monogr., 29(1):47-90  
 The ecology of Conus in Hawaii

Observations on 25 spp. of this  
 gastropod genus, with regard to  
 habitat, life history, abundance &  
 density, local distribution,  
 substratum, effects of environmental  
 stresses, food & feeding, predation,  
 food chains & trophic structure of its  
 community, & other ecological  
 matters.

GLK:glk

M

Banner, A.H. (1959) 59-3901  
Pacif.Sci., 13:130-55

Contributions to the knowledge of the  
alpheid shrimp of the Pacific Ocean -  
IV. Various small collections from the  
central Pacific area, including  
supplementary notes on alpheids from  
Hawaii

Information on locality of collection  
& on morphology of various spp., with  
description of some new spp.

GLK:glk

M

Swarup, H. (1959) 59-3904  
Curr.Sci., 28:118-9

Independent origin and development  
of the crystalline lens in Gasterosteus  
aculeatus (L.)

Experimental demonstration of the  
effects temperature shocks on  
development.

FAO:glk

F

Miller, C.D. & 59-3902  
F. Pen (1959)

Pacif.Sci., 13:191-4  
Composition and nutritive value of  
Palolo (Palola siciliensis Grube)

Description of the methods of  
collection with notes on the condition  
of the Palolo when caught & methods &  
results of analysis.

GLK:glk

M

Balan, V. (1959) 59-3905  
Curr.Sci., 28:122-3

Age-determination of the Indian oil-  
sardine, Sardinella longiceps Val. by  
means of scales

Preliminary report of the scale  
characteristics & of the relation  
between number of rings & size of fish.

FAO:glk

M

Riffenburgh, R.H. (1959) 59-3903  
Pacif.Sci., 13:211

A note on Walford's transformation

Contents as per title.

GLK:glk

MF

Mahadevan, S. (1959) 59-3906  
Curr.Sci., 28:129

On the occurrence of Fierasfer (Cuvier)  
homei as a commensal inside the  
bivalve, Pteria lotorium Lamarck

Report of this first recording of  
Pteria lotorium Lamarck in Indian  
waters & of the observation of the  
occurrence of Fierasfer homei with it.

FAO:glk

M



Anonymous (1959) 59-3907  
Fish.News Lett.Aust., 18(1):7  
Whaling worth £1,864,000

Summary statistics of Australian shore-based whaling 1954 to 1958.

GLK:glk

M

Dunstan, D.J. (1959) 59-3910  
Fish.News Lett.Aust., 18(2):15  
Barramundi fishing in New Guinea waters

Methods of fishing for Lates calcarifer.

GLK:glk

MF

Wells, V. (1959) 59-3908  
Fish.News Lett.Aust., 18(1):27, 29  
Surveying Aust. pearling beds

Continuation of 59-0390.

GLK:

M

Wells, V. (1959) 59-3911  
Fish.News Lett.Aust., 18(2):27, 29  
Surveying Aust. pearling beds

Continuation of 59-3908.

GLK:glk

M

Anonymous (1959) 59-3909  
Fish.News Lett.Aust., 18(2):5-7  
Whale marking and recoveries

Tabulation of Australian marking & map showing migrations indicated by recoveries.

GLK:glk

M

Beckman, W.C. (1959) 59-3912  
Rep.F.A.O./E.T.A.P., (1045-A):36 p.  
Report to the Government of the United Arab Republic (Syrian Province) on the fishery resources of the inland waters of Syria

Report of author's FAO assignment under UN Expanded Technical Assistance Programme. Presents information on fish cultural practices which may be used in Syria. Incl. notes on selection of site & construction of ponds; spawning & stocking of carp; food & feeding of fishes; care of ponds; fish diseases

59-3912  
(Card 2)  
& their control; pond management  
records; & harvest & marketing.

SJH:efa

F

Butler, T.H. (1959) 59-3916  
Rep.F.A.O/E.T.A.P., (1057):51 p.  
Report to the Government of Indonesia  
on marine fishery biology

Report of author's FAO assignment  
under UN Expanded Technical Assistance  
Programme. Observation on marine  
resources of Indonesia, with special  
reference to the planning &  
assisting in initiation of required  
research to obtain greater production  
by fishing deeper off-shore areas;  
& assist in putting into effect a  
practical program of exploratory

Brown, C.J.D. (1959) 59-3914  
Rep.F.A.O/E.T.A.P., (900):51 p.  
Informe al Gobierno de Paraguay sobre  
los recursos pesqueros de sus aguas  
continentales (Report to the  
Government of Paraguay on the fishery  
resources of its inland waters)

Report of author's assignment FAO under  
UN Expanded Technical Assistance  
Programme. Describes river basins &  
lakes; abundance, distribution, size,  
habits, food & spawning of the most  
important edible spp., fishing &  
processing methods. Considers

59-3916  
(Card 2)  
fishing & research. Incl.  
recommendations for further  
development.

SJH:efa

M

59-3914  
(Card 2)  
potentialities of trout & fish  
culture in general. Makes  
recommendations for future action.

SJH:hr

F

Union Géodésique & 59-3918  
Géophysique Internationale (1959)  
Paris, 1-32  
I.U.G.G. Chronicle no. 17

Contains reports of the meetings of  
special committee on oceanic research;  
28-30 August 1957 in Woods Hole &  
26-27 September 1958 in Paris. The  
programme of SCOR is described.

TL:tl

II

Union Géodésique & 59-3919  
Géophysique Internationale (1959)  
Paris, 33-64  
I.U.G.G. Chronicle no. 18

Contains among others recommendations by Pan American Institute of Geography & History for improvements of predictions of tides, notes on the session of oceanography of Pacific Science Association, & notes on marine research in Indonesia.

TL:tl

M

Lallier, R. (1959) 59-3922  
C.R.Acad.Sci., Paris, 248:2397-9  
Les groupes sulfhydriles et la détermination embryonnaire de l'oeuf de l'oursin Paracentrotus lividus (Sulfhydrile groups and the embryonic determination of the egg of the sea urchin Paracentrotus lividus)

Experimental study of effects of S-methylglutathion, S-(N-ethylsuccinimido)-glutathion & of ophthalmic acid.

FAO:sjh

M

Bernard, P. (1959) 59-3920  
C.R.Acad.Sci., Paris, 248:2370-2  
Sur un cas de propagation de la houle à très grande distance (On a case of wave propagation at a great distance)

Microseismic detection of storm in North Atlantic, September 1953, in Argentina, South Africa & Australasia.

FAO:sjh

M

Stolkowski, J. & 59-3923  
A. Reinberg (1959)  
C.R.Acad.Sci., Paris, 248:2400-2  
Pression osmotique du milieu, mouvements du potassium et polymérisation des acides ribonucléiques de cellules animales (Osmotic pressure of the milieu, movements of potassium and polymerization of ribonucleic acids in animal cells)

Experimental study in several animals incl. Cyprinus carpio, Crangon crangon & Leander serratus.

FAO:sjh

MF

Koechlin, N. (1959) 59-3921  
C.R.Acad.Sci., Paris, 248:2385-7  
Étude et reconstruction graphique des néphridies de Sabella pavonina Savigny (Annélide Polychète) (Study and graphic reconstruction of the nephridia of Sabella pavonina Savigny, Polychaete annelid)

A histological & morphological study.

FAO:sjh

M

Drilhon, A. & 59-3924  
J.-M. Fine (1959)  
C.R.Acad.Sci., Paris, 248:2418-20  
Les protéines du sérum sanguin chez les Elasmobranches (Scyllium catulus et Scyllorhinus canicula) (Blood serum proteins in the Elasmobranchs Scyllium catulus & Scyllorhinus canicula)

Comparative study by electrophoresis.

FAO:sjh

M



Anonymous (1959) 59-3925  
Trade News, 11(8):7-9  
Mid-water trawl experiment

Short account of experimental deep  
water herring fishing in Gulf of St.  
Lawrence.

FAO:sjh

M

Wesler, O. (1959) 59-3928  
Ann.math.Statist., 30(1):1-20  
Invariance theory and a modified  
minimax principle

Presidential address to 5th annual  
meeting of society, referring to  
protozoan & rotifer & tardigrada  
of freshwaters, the ross, leopard,  
crabeater & elephant seals.

FAO:sjh

MF

Anonymous (1959) 59-3926  
Trade News, 11(8):9  
Russian research vessel

Ill. note on programme & facilities of  
VITYAZ.

FAO:sjh

M

Rider, P.R. (1959) 59-3929  
Ann.math.Statist., 30(1):252-4  
Quasi-ranges of samples from an  
exponential population

Note on a theorem relevant to  
estimation of mortality rates from  
age ranges, etc.

FAO:sjh

G

Anonymous (1959) 59-3927  
Trade News, 11(8):10-2, 14  
Canadian fisheries production May-  
December, 1958

An analysis of the statistics for  
this period.

FAO:sjh

MF

Slijper, E.J. & 59-3930  
W.L. van Utrecht (1959)  
Norsk Fvalfangsttid., 48:101-17  
Observing whales. En No

General notes on the results  
obtained by the Netherlands whale  
research groups TNO on the whale look  
out scheme being voluntarily carried  
out by many Dutch ships & coordinated  
by that groups.

FAO:hr

M

Slijper, E.J. (1959) 59-3931  
Norsk Hvalfangsttid., 48:117-29  
Ten years of whale research. En No

A review of the scientific activities  
of the Netherlands Whale Research Group  
TNO.

FAO:hr

M

Squire, J.L., Jr. (1959) 59-3934  
Comm.Fish.Rev., 21(2):1-5  
New England commercial bluefin tuna  
purse seining - 1958 season

Experimental fishing by SILVER MINK  
for Thunnus thynnus in NW Atlantic.

FAO:sjh

F

Anonymous (1959) 59-3932  
Norsk Hvalfangsttid., 48:132-40  
Pelagic catch in the Antarctic season  
1958-59. En No

Statistics of catches & oil by seasons  
& expeditions.

FAO:hr

M

Fingerman, M. (1959) 59-3935  
Comm.Fish.Rev., 21(2):10-1  
Technical note no. 50 - Effects of  
temperature and salinity on ciliary  
activity in the oyster Crassostrea  
virginica

Contents as per title.

FAO:sjh

M

Anonymous (1959) 59-3933  
Norsk Hvalfangsttid., 48:140-2  
Catch reports from South Georgia.  
En No

Statistics of catches & oil by seasons  
& localities.

FAO:hr

M

Anonymous (1959) 59-3936  
Comm.Fish.Rev., 21(2):11  
Fish have fleas too

Note on parasite studies to determine  
movements of Pacific salmon & other  
work on parasites of marine organisms.

FAO:sjh

MF

Anonymous (1959) 59-3937  
Comm.Fish.Rev., 21(2):12  
California - Aerial census of  
commercial and sport fishing continued

FAO: M

Anonymous (1959) 59-3940  
Comm.Fish.Rev., 21(2):15  
Clams - Selective breeding increases  
growth rate

Contents as per title.

FAO: M

Anonymous (1959) 59-3938  
Comm.Fish.Rev., 21(2):13  
California - Dungeness-crab distribution  
and abundance studies continued (M/V  
N.B. SCOFIELD cruise 58S7 - Crab)

Contents as per title.

FAO: M

Anonymous (1959) 59-3941  
Comm.Fish.Rev., 21(2):15-6  
Crabs - Chesapeake Bay abundance  
predicted for 1958-59 winter

Contents as per title.

FAO: M

Anonymous (1959) 59-3939  
Comm.Fish.Rev., 21(2):13-4  
California - Yellowfin and skipjack tuna  
tagging studies continued (M/V VALIANT  
cruise 58C3 - Tuna)

Contents as per title.

FAO: M

Anonymous (1959) 59-3942  
Comm.Fish.Rev., 21(2):20  
Great Lakes fisheries exploration  
and gear research - Experimental  
smelt fishing with lampara seines  
continued (M/V THELMA H. cruise 2)

Contents as per title.

FAO: F



Anonymous (1959) 59-3943  
Comm.Fish.Rev., 21(2):21-2  
Great Lakes fishery investigations -  
Western Lake Superior herring and  
white fish spawning survey (M/V  
SISCOJET cruise 7A and 8)

Contents as per title.

FAO: F

Anonymous (1959) 59-3946  
Comm.Fish.Rev., 21(2):25  
North Atlantic fisheries  
exploration and gear research - Deep-  
water lobster abundance resurveyed  
and herring eggs and larvae collected  
off New England coast (M/V DELAWARE  
cruise 58-7)

Contents as per title.

FAO: M

Anonymous (1959) 59-3944  
Comm.Fish.Rev., 21(2):22-3  
Gulf exploratory fishery program -  
Distribution and availability studies  
of bottom fish in Gulf of Mexico  
continued (M/V SILVER BAY cruise 12)

Contents as per title.

FAO: M

Anonymous (1959) 59-3947  
Comm.Fish.Rev., 21(2):25-6  
North Atlantic fisheries  
exploration and gear research - Tuna  
fishing explorations in North  
Atlantic continued (M/V DELAWARE  
cruise 59-1)

Contents as per title.

FAO: M

Anonymous (1959) 59-3945  
Comm.Fish.Rev., 21(2):23  
Gulf exploratory fishery program -  
Underwater television observations of  
red snapper reactions to fish traps  
(M/V OREGON cruise 54)

Contents as per title.

FAO: M

Anonymous (1959) 59-3948  
Comm.Fish.Rev., 21(2):26  
North Atlantic fisheries  
investigations - Bottom fish samples  
collected and haddock tagged (M/V  
ALBATROSS III cruise 122)

Contents as per title.

FAO: M

Anonymous (1959) 59-3949  
Comm.Fish.Rev., 21(2):27-9  
Oysters - Spawning and setting in Long  
Island sound, summer 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-3952  
Comm.Fish.Rev., 21(2):30  
Pacific oceanic fishery  
investigations - Tilapia rearing  
experiments continued

Contents as per title.

FAO:

MF

Anonymous (1959) 59-3950  
Comm.Fish.Rev., 21(2):29  
Oysters - Best seasons for cropping in  
Chesapeake Bay

Contents as per title

FAO:

M

Anonymous (1959) 59-3953  
Comm.Fish.Rev., 21(2):30-1  
Salmon - Progress report on Columbia  
river salmon research

Contents as per title.

FAO:

MF

Anonymous (1959) 59-3951  
Comm.Fish.Rev., 21(2):30  
Pacific oceanic fishery investigations -  
Five tagged skipjack recaptured in  
November 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-3954  
Comm.Fish.Rev., 21(2):32  
South Carolina - Fisheries biological  
research progress, October-December  
1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-3955  
Comm.Fish.Rev., 21(2):34  
Tuna - Ocean weather stations may aid  
fishermen locate schools

Contents as per title.

FAO:

EE

Anonymous (1959) 59-3958  
Comm.Fish.Rev., 21(2):46  
North Pacific Fur Seal Commission -  
Second annual meeting held

Contents as per title.

FAO:

M

Anonymous (1959) 59-3956  
Comm.Fish.Rev., 21(2):38  
Water resources - New national map  
shows army, interior, TVA projects

Contents as per title.

FAO:

F

Anonymous (1959) 59-3959  
Comm.Fish.Rev., 21(2):47  
Norwegian-Russian sealing agreement

Contents as per title.

FAO:

M

Anonymous (1959) 59-3957  
Comm.Fish.Rev., 21(2):43-5  
Great Lakes Fishery Commission -  
Meeting held in Ann Arbor, Mich.

Contents as per title.

FAO:

F

Anonymous (1959) 59-3960  
Comm.Fish.Rev., 21(2):47-8  
South Pacific Commission - Fisheries  
development program

Contents as per title.

FAO:

M



Anonymous (1959) 59-3961  
Comm.Fish.Rev., 21(2):48-9  
United Nations - Deep ocean trenches  
unsuitable for disposal of radioactive  
waste

Contents as per title.

FAO:

M

Anonymous (1959) 59-3964  
Comm.Fish.Rev., 21(2):49-50  
Whaling - Five nations discuss  
division of 1958 quota

Contents as per title.

FAO:

M

Anonymous (1959) 59-3962  
Comm.Fish.Rev., 21(2):49  
General assembly committee approves  
second law of the sea conference

Contents as per title.

FAO:

M

Anonymous (1959) 59-3965  
Comm.Fish.Rev., 21(2):50  
Australia - Deep-water shrimp  
resources survey planned

FAO:

M

Anonymous (1959) 59-3963  
Comm.Fish.Rev., 21(2):49  
General assembly votes for second law  
of the sea conference

Contents as per title.

FAO:

M

Anonymous (1959) 59-3966  
Comm.Fish.Rev., 21(2):52  
Australia - New South Wales tuna  
fishing season promising

Contents as per title.

FAO:

M

Anonymous (1959) 59-3967  
Comm.Fish.Rev., 21(2):52-3  
Australia - Tasmanian scallop fishery,  
1958

Contents as per title.

FAO

M

Anonymous (1959) 59-3970  
Comm.Fish.Rev., 21(2):56  
Canada - Research shows decline in  
ocean perch resources

Contents as per title.

FAO:

M

Anonymous (1959) 59-3968  
Comm.Fish.Rev., 21(2):53-4  
Australia - Japanese banned from taking  
pearl shell off Western Australia

Contents as per title.

FAO:

M

Anonymous (1959) 59-3971  
Comm.Fish.Rev., 21(2):56-7  
Chile - Regulations for foreign  
vessels fishing in territorial waters  
issued

Contents as per title.

FAO:

M

Anonymous (1959) 59-3969  
Comm.Fish.Rev., 21(2):55  
Canada - Causes of fluctuation in  
stocks of haddock on North Atlantic  
banks

Contents as per title.

FAO:

M

Anonymous (1959) 59-3972  
Comm.Fish.Rev., 21(2):57  
Cuba - Convention with the United  
States on the conservation of shrimp  
ratified

Contents as per title.

FAO:

M

Anonymous (1959) 59-3973  
Comm.Fish.Rev., 21(2):57-8  
Fiji islands - Development of fishing  
industry proposed

Contents as per title.

FAO: M

Anonymous (1959) 59-3976  
Comm.Fish.Rev., 21(2):60  
Iraq - Territorial waters extended  
to 12 miles

Contents as per title.

FAO: M

Anonymous (1959) 59-3974  
Comm.Fish.Rev., 21(2):58  
France - New-type small trawler built

Contents as per title.

FAO: M

Anonymous (1959) 59-3977  
Comm.Fish.Rev., 21(2):60-1  
Israel - Sardine fishermen protest  
new Japanese-Israeli tuna fishery

Contents as per title.

FAO: M

Anonymous (1959) 59-3975  
Comm.Fish.Rev., 21(2):60  
Indonesia - Experimental long-lining  
for tuna in Indian ocean

Contents as per title.

FAO: M

Anonymous (1959) 59-3978  
Comm.Fish.Rev., 21(2):61  
Italy - Japanese vessels land  
Atlantic-caught tuna

Contents as per title.

FAO: M



Anonymous (1959) 59-3979  
Comm.Fish.Rev., 21(2):61-2  
Japan - First Atlantic tuna long-liner  
returns to home port

Contents as per title.

FAO: M

Anonymous (1959) 59-3982  
Comm.Fish.Rev., 21(2):66  
Somalia - Tuna fishery trends

Contents as per title.

FAO: M

Anonymous (1959) 59-3980  
Comm.Fish.Rev., 21(2):64-5  
Pakistan - Japanese fishing vessels to  
survey bay of Bengal and East Pakistan  
waters

Contents as per title.

FAO: M

Anonymous (1959) 59-3983  
Comm.Fish.Rev., 21(2):67-8  
Union of South Africa - Union of South  
Africa and South-West Africa pilchard-  
maasbanker industry, August 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-3981  
Comm.Fish.Rev., 21(2):65  
Peru - Anchoveta fishing restrictions  
extended

Contents as per title.

FAO: M

Anonymous (1959) 59-3984  
Comm.Fish.Rev., 21(2):68  
Union of South Africa - Union and  
South-West Africa fish catch, 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-3985  
Comm.Fish.Rev., 21(2):68  
U.S.S.R. - Fishery research by  
submarine

Contents as per title.

FAO: M

Western Australia 59-3988  
Fisheries Department (1959)  
Monthly Service Bulletin, 8(3):35-44

Notes on staff & their activities;  
regulations & legal actions; seasons  
& results of crayfishery, information  
from abroad.

CLK:sjh M

Anonymous (1959) 59-3986  
Comm.Fish.Rev., 21(2):70  
United Kingdom - New type log and speed  
indicator developed for trawlers

Contents as per title.

FAO: M

Mansueti, R. (1958) 59-3989  
Contr.Chesapeake biol.Lab., (112):35 p.  
Eggs, larvae and young of the striped  
bass, Roccus saxatilis

Detailed descriptions of the early  
development of the striped bass, R.  
saxatilis Walbaum, with emphasis on  
variation in size & morphology,  
sequence of fin formation, changes in  
body form, & attainment of the full  
complement of meristic numbers, are  
presented & ill. for the 1st time.

FiB:rm F

Anonymous (1959) 59-3987  
Comm.Fish.Rev., 21(2):71  
Department of Commerce, coast and  
geodetic survey - Warns against using  
obsolete charts

Contents as per title.

FAO: M

Mansueti, R. (1958) 59-3990  
Contr.Chesapeake biol.Lab., (113):12 p.  
The development of anal spines and  
soft-rays in young striped bass,  
Roccus saxatilis

The process on anal spine formation  
from a soft-ray of the anal fin is  
described & ill. for the 1st time,  
based on a study of 151 recently  
transformed striped bass, R. saxatilis.  
A qualitative & statistical analysis  
of the anal fin-rays showed that the  
3rd anal spine develops from the 1st  
terminally segmented soft-ray. The  
latter loses its segmentations, becomes  
ossified & fuses into a typical spine.  
FiB:rm F

Stephens, N. (1957) 59-3991  
Proc.R.Irish Acad., 58B(6):129-49  
 Some observations on the "inter-glacial" platform and the early post-glacial raised beach on the east coast of Ireland

Relationship between the rock platform, the raised beach & the glacial drifts between Belfast & Carnsore Point.

CNR:gb

M

O'Reilly, H. & 59-3994  
 G. Pantin (1957)  
Proc.R.Irish Acad., 58B(5):89-128  
 Some observations on the salt marsh formation in Co. Dublin

The vegetation is described. The marshes are of 2 contrasting types, one represented by North Bull I. & the other by the remaining areas in sheltered river estuaries.

CNR:gb

MF

Roe, K.M. (1958) 59-3992  
Proc.R.Irish Acad., 59B(12):221-55  
 The littoral harpacticids of the Dalkey (Co. Dublin) area with descriptions of six new species

List of 106 spp. with short ecological observations; 6 new spp. are described: Parathalestris irelandica, Amphiascus paracauda-espinosus, Nitocra parafragilis, Laophonte farrani, Heterolaophonte brevipes, H. denticulata. Incl. short descriptions of 4 unidentified spp.

CNR:gb

M

Toner, E.D. (1957) 59-3995  
Proc.R.Irish Acad., 58B(15):321-8  
 Movements of salmon around Ireland - VII. From Rath, Co. Kerry (1950-1953)

Most of the coastward moving salmon which pass Rath are grilse & head due east into the rivers of Kenmare bay. The northbound run is the next strongest, & a minority moves south & then east.

CNR:gb

MF

Newman, H.W. (1958) 59-3993  
Proc.R.Irish Acad., 59B(5):53-69  
 Salmon of the river Lee, 1944 and 1945

Measurements, weights, scales & dates of capture from 836 salmon taken by netting - some rod caught fish incl. in certain tables - in the years 1944 & 1945 in the river Lee; percentage & average size & weight of one year & 2 years smolt was calculated & also the percentage of previous spawners.

CNR:gb

MF

Pillay, T.V.R. (1958) 59-3996  
Indian J.Fish., 5:201-57  
 Biology of the hilsa, Hilsa ilisha (Hamilton) of the river Hooghly

Report on: ecological features of the Hooghly; length-weight relation; seasonal cycle in gonad weight, visceral weight & condition; fecundity, maturation & spawning; sex ratio; age determination & growth measurement; migrations; experiments in culture; fishing methods.

FAO:glk

MF



Radhakrishnan, N. (1958) 59-3997  
Indian J.Fish., 5:258-69  
Observations on mackerel fishery at  
Karwar for the seasons 1954-55 and  
1955-56

Magnitude & composition of the catch.

FAO:glk

Jhingran, V.G. & 59-4000  
R.D. Chakraborty (1958)

Indian J.Fish., 5:291-9  
Destruction of major carp fingerlings  
in a section of river Ganga and its  
probable adverse effects on fish  
production

Estimate of natural & fishing  
mortality of the fingerlings & of  
gain to be got from a prohibition of  
capture of these fingerlings.

FAO:glk

F

Krishnamoorthi, B. (1958) 59-3998  
Indian J.Fish., 5:270-81  
Observations on the spawning season  
and the fisheries of the spotted seer,  
Scomberomorus guttatus (Bloch &  
Schneider)

Spawning season, fluctuations in  
catch, composition of catch.

FAO:glk

M

Jones, S. (1958) 59-4001  
Indian J.Fish., 5:300-7  
The tuna live-bait fishery of  
Minicoy island

Brief account of the fishery; common  
spp. are listed, methods of capture  
& storage are described.

FAO:glk

M

Khanna, D.V. (1958) 59-3999  
Indian J.Fish., 5:282-90  
Observations on the spawning of the  
major carps at a fish-farm in the  
Punjab

Report of observations over several  
years, on the dependence of spawning  
on O<sub>2</sub> & pH.

FAO:glk

F

Sivalingam, S. (1958) 59-4002  
Indian J.Fish., 5:308-25  
Survey of the pearl banks, gulf of  
Mannar, 1955

Equipment & methods; summary of  
operations; location & extent of beds,  
age composition of stocks, magnitude of  
population, value of shells  
collected.

FAO:glk

M

Ramasastry, A.A. (1958) 59-4003  
Indian J.Fish., 5:341-7  
An estimation of heat changes in the  
bay of Bengal off Visakhapatnam

An estimate of heat changes in the  
bay of Bengal off Visakhapatnam  
during 3 different periods, viz., 21st  
October 1952 to 29th October 1952,  
19th February to 4th March 1953, &  
4th March to 17th April 1953 is made  
from the data of oceanographic cruises  
of the Andhra Univ., following the  
method of Jung & Gilcrest, 1955.

FAO:aar

M

Saha, K.C. & 59-4006  
D.P. Sen (1958)  
Indian J.Fish., 5:362-74  
Studies on the mortality in spawn and  
fry of Indian major carps during  
transport - IV. Types of containers  
used for transporting spawn and fry  
under oxygen pressure

Comparison of cost & efficiency of  
glass carboy, specially designed  
aluminium & galvanised iron sheet  
containers, & latex-rubber & plastic  
bags.

FAO:glk

F

George, K.C. (1958) 59-4004  
Indian J.Fish., 5:348-56  
On the occurrence of Anchoviella  
baganensis (Hardenberg) and A.  
bataviensis (Hardenberg) along the  
south-east and south-west coasts of  
India

Short descriptions of the above 2 spp.  
collected at these centres & notes on  
the systematics of other Indian forms  
with a key for identification of  
Anchoviella sp. so far recorded from  
Indian waters are given.

FAO:kcg

M

George, M.J. (1958) 59-4007  
Indian J.Fish., 5:375-401  
Observations on the plankton of the  
Cochin backwaters

Composition of the plankton & relation  
of variation of composition & volume  
with salinity, surface temperature &  
other factors.

FAO:glk

MF

Jones, S. (1958) 59-4005  
Indian J.Fish., 5:357-61  
Notes on eggs, larvae and juveniles  
of fish from Indian waters - I.  
Xiphias gladius Linnaeus

Description of the larva of this sp.

FAO:glk

M

Panikkar, N.K. (1958) 59-4008  
Indian J.Fish., 5:402-39  
Government of India, Central Marine  
Fisheries Research Station, Mandapam  
Camp - Annual report of the chief  
research officer for the year ending  
31st March 1957

Facilities & equipment of the station &  
its substations; staff; research  
carried out in fisheries biology,  
marine biology, physiology, fish  
farming, bacteriology, fish-curing &  
fishery by-products, & algology, with  
list of publications.

FAO:glk

M

Bhimachar, B.S. (1958) 59-4009  
Indian J. Fish., 5:440-71  
Annual report of the Central Inland  
Fisheries Research Station, Calcutta,  
for the year 1956-57

Facilities & equipment of the station  
& its sub-stations, staff; research in  
pond culture, river & lacustrine  
biology, estuarine biology; & list  
of publications.

FAO:glk

MF

Anonymous (1958) 59-4012  
Trade News, 11(2):9-10  
Large-scale oyster transfer

Restoration of depleted beds in New  
Brunswick & Nova Scotia.

FAO:sjh

M

Bol, A.C.A. (1959) 59-4010  
Experientia, 15:115  
A consummatory situation - The effect  
of eggs on the sexual behaviour of  
the male three-spined stickleback  
(Gasterosteus aculeatus L.)

Experimental examination of the  
influence of the act of fertilisation  
on sexual activity, & of the role of  
presence of the eggs in the reduction  
of sexual motivation of the male.

FAO:glk

F

Anonymous (1958) 59-4013  
Trade News, 11(2):11  
Lobster trap research - New aluminum  
models under study

Ill. note on trap being tested off  
New Brunswick.

FAO:sjh

M

Reverberi, G. & 59-4011  
R. La Spina (1959)  
Experientia, 15:122  
Normal larvae obtained from dark  
fragments of centrifuged Ciona eggs

Histochemical demonstration of the  
presence of mitochondria in the dark  
fragments of Ciona intestinalis (from  
centrifugation) which are able to  
develop in contrast with clear  
fragments which, unable to develop,  
have no mitochondria

FAO:glk

M

Anonymous (1958) 59-4014  
Trade News, 11(2):17  
Fish culture in the Belgian Congo

A short historical note; presents  
situation & programmes.

FAO:sjh

MF



Panikkar, N.K. (1959) 59-4015  
Curr.Sci., 28:53-4  
Indian fisheries

Summary of a lecture dealing with production, resources & industrial methods.

FAO:glk

MF

Bose, K.C. (1959) 59-4018  
Curr.Sci., 28:76-7  
Pineal organ in fishes

Anatomical & histological observations on Mystus aor, M. seenghala, M. bleekeri, M. gulio, M. tengara, Wallago attu, Rita rita, Pseudotropius murius, P. garua, Bagarius bagarius, Eatropiichthys vacha & Clarius batrachius.

FAO:glk

F

Seshaiya, R.V. (1959) 59-4016  
Curr.Sci., 28:54  
Some aspects of estuarine hydrology and biology

Summary of a paper dealing with estuarine zonation, associated biota & its biochemistry.

FAO:glk

MF

Hartman, W.L. (1958) 59-4019  
Copeia, 1958(4):261-5  
Intergradation between two subspecies of painted turtle, genus Chrysemys

Describes intergrading characters in mathematical terms, & restates the intergradation problem between Chrysemys picta marginata & C. picta picta on the basis of new material.

HR:hr

F

Kuthalingam, M.D.K. (1959) 59-4017  
Curr.Sci., 28:75-6  
Temperature tolerance of the larvae of ten species of marine fishes

Determinations of mortality, at various temperatures, in aquarium fishes, of pro-larvae & post-larvae of Polynemus indicus, Sardinella longiceps, Dussumieria acuta, Coranx mate, Megalopsis cordyla, Mugil cephalus, Cynoglossus lingua, Solea elongata, Saurida tumbil & Triacanthus brevirostris.

FAO:glk

M

Hubbs, C.L. (1958) 59-4020  
Copeia, 1958(4):282-5  
Dikellorhynchus and Kanazawaichthys: nominal fish genera interpreted as based on prejuveniles of Malacanthus and Antennarius, respectively

A study of the 2 recently named genera, Dikellorhynchus & Kanazawaichthys shows them to be prejuvenile forms of Malacanthus hoedtii & Antennarius radiosus respectively.

HR:hr

M

Mead, G.W. & J.E. Böhlke (1958)  
Copeia, 1958(4):285-9  
Gobionellus stigmalophius, a new goby  
 from the gulf of Campeche and the  
 Great Bahama bank

A taxonomic description of the sp.  
 & a discussion of its affinities  
 with closely related spp.

HR:hr

M

Suttkus, R.D. (1958)  
Copeia, 1958(4):307-18  
 Status of the nominal cyprinid  
 species Moniana deliciosa Girard and  
Cyprinella texana Girard

The failure of some early workers  
 to sort correctly or completely the  
 series with which they were working  
 at the time original descriptions  
 were written has resulted in vogue  
 & in some cases in unrecognizable  
 descriptions. Recent studies of older  
 type series have revealed that often  
 2 or more spp. were present among

Sundararaj, B.I. (1958)  
Copeia, 1958(4):289-97  
 The seminal vesicles and their  
 seasonal changes in the Indian  
 catfish, Heteropneustes

Describes the structure of &  
 seasonal changes in the seminal  
 vesicles of the sp.

HR:hr

F

(Card 2)  
 "Cotypes". The paper attempts to  
 resolve a problem of this type.

HR:hr

F

Hubbs, C.L. & C. Hubbs (1958)  
Copeia, 1958(4):297-307  
Notropis saladonis, a new cyprinid  
 fish endemic in the Río Salado  
 of northeastern México

A diagnosis & description of the sp.  
 with notes on its relationships,  
 distribution, ecology & reproduction.

HR:hr

F

Böhlke, J.E. (1958)  
Copeia, 1958(4):318-25  
 Results of the Catherwood Foundation  
 Peruvian Amazon Expedition. The  
 descriptions of two new Xenurobry-  
 conine characids

Compares certain characters of  
Xenurobrycon macropus, Tyttocharax  
odontocheilus, T. madeirae, T.  
rhinodus & T. atopodus & describes  
 the 2 last forms as sp. nov.

HR:hr

F

Reed, R.J. (1958) 59-4027  
Copeia, 1958(4):325-7  
The early life history of two  
cyprinids, Notropis rubellus and  
Campostoma anomalum pullum

Records of embryonic development of  
N. rubellus & C. anomalum pullum.

HR:hr

F

Crawford, R.W. (1958) 59-4030  
Copeia, 1958(4):330-1  
Behaviour, growth and mortality in  
the bluegill, Lepomis macrochirus  
Rafinesque; following fin clipping

Contents as per title.

HR:hr

F

Kanazawa, R.H. (1958) 59-4028  
Copeia, 1958(4):327-8  
A new species of catfish, family  
Loricariidae, from Ecuador

Description of Panaque albomaculatus,  
sp. nov.

HR:hr

F

Phillips, C. (1958) 59-4031  
Copeia, 1958(4):331  
An unusually colored garfish,  
Lepisosteus platyrhincus

Contents as per title.

HR:hr

F

Legault, R. (1958) 59-4029  
Copeia, 1958(4):329-30  
A technique for controlling the time  
of daily spawning and collecting of  
eggs of the zebra fish, Brachydanio  
rerio (Hamilton-Buchanan)

Contents as per title.

HR:hr

F

Clement, H. (1958) 59-4032  
Copeia, 1958(4):336-8  
Observations on a captive specimen  
of Clemmys insculpta

Contents as per title.

HR:hr

F



Anderson, J.M. & 59-4033  
 J.C. Johann (1958)  
Biol.Bull., Woods Hole, 115:375-83  
 Some aspects of reproductive biology  
 in the fresh-water triclad turbellarian,  
Cura foremanii

Investigation of the presence of  
 spermatozoa in seminal receptacles of  
 individuals reared in isolation when  
 self-fertilization of eggs, deposited  
 in cocoons occurs.

FAO:tl

F

Dent, J.N. & 59-4036  
 W.G. Lynn (1958)  
Biol.Bull., Woods Hole, 115:411-20  
 A comparison of the effects of  
 goitrogens on thyroid activity in  
Triturus viridescens and Desmognathus  
fuscus

Contents as per title.

FAO:tl

M

Auclair, W. & 59-4034  
 D. Marsland (1958)  
Biol.Bull., Woods Hole, 115:384-96  
 Form-stability of ciliates in relation  
 to pressure and temperature

Study of the form-stability & integrity  
 of 2 representative ciliates,  
Blepharisma undulans & Paramecium  
caudatum under systematically varied  
 conditions of pressure & temperature.

FAO:tl

F

Hastings, J.W. & 59-4037  
 B.M. Sweeney (1958)  
Biol.Bull., Woods Hole, 115:440-58  
 A persistent diurnal rhythm of  
 luminescence in Gonyaulax polyedra

Investigation of the characteristics  
 of a persistent diurnal rhythm of  
 luminescence in the marine dino-  
 flagellate Gonyaulax polyedra.

FAO:tl

M

Davenport, D. & 59-4035  
 K.S. Norris (1958)  
Biol.Bull., Woods Hole, 115:397-410  
 Observations on the symbiosis of the  
 sea anemone Stoichactis and the  
 pomacentrid fish, Amphiprion percula

Results of investigations of the  
 physiological & behavioural mechanisms  
 involved in the protection of the fish  
 against the nematocysts of its host  
 & re-examination of the ecology &  
 behavioural characteristics of the  
 animals.

FAO:tl

M

Hill, R.B. (1958) 59-4038  
Biol.Bull., Woods Hole, 115:471-82  
 The effects of certain neurohumors  
 and of other drugs on the ventricle  
 and radula protractor of Busycon  
canaliculatum and on the ventricle of  
Strombus gigas

Contents as per title.

FAO:tl

M

Hutchison, V.H. & 59-4039  
C.S. Hammen (1958)  
Biol.Bull., Woods Hole, 115:483-9  
Oxygen utilization in the symbiosis of  
embryos of the salamander, Ambystoma  
maculatum and the alga, Oophila  
amblystomatis

Experimental determination of whether  
the algae inhabiting the egg membranes  
produce O<sub>2</sub> in sufficient quantities to  
be of value to the developing embryo.

FAO:tl

F

Terzian, L.A. & 59-4042  
N. Stahler (1958)  
Biol.Bull., Woods Hole, 115:536-50  
A study of some effects of gamma  
radiation on the adults and eggs of  
Aedes aegypti

Description of the effects of gamma  
radiation on the fertility &  
reproductive capacity of the  
mosquito & on the viability of the  
eggs.

FAO:tl

F

Schneiderman, H.A. & 59-4040  
L.I. Gilbert (1958)  
Biol.Bull., Woods Hole, 115:530-5  
Substances with juvenile hormone  
activity in crustacea and other  
invertebrates

A new assay for the juvenile hormone of  
insects is described which permits  
detection of very small amounts of  
hormone activity. Using this procedure  
extracts of a variety of invertebrates  
were assayed for juvenile hormone  
activity. The richest source of juvenile  
hormone outside of insects was the

Welsh, J.H. & 59-4043  
P.B. Prock (1958)  
Biol.Bull., Woods Hole, 115:551-61  
Quaternary ammonium bases in the  
coelenterates

Determination of tetramine in  
coelenterates; identification of  
quaternary ammonium bases & tests  
of their toxicity.

FAO:tl

M

59-4040  
(Card 2)  
eyestalk of crustacea & it is  
suggested that the juvenile hormone  
plays a role in crustacean physiology.

FAO:has

M

Anonymous (1959) 59-4044  
Pesca y Marina, 11(1):6-7  
La pesca continental (Fisheries in  
the continent)

Contains a summary of the Colombian  
fisheries law & notes on fisheries  
regulations in Honduras, shrimp  
fishery in Nicaragua & sardine trade  
in Venezuela.

FAO:hr

MF

Nisida, K. (1958) 59-4045  
J.Fac.Fish.Hiroshima, 2(1):1-65  
(On the oceanographic conditions of  
the lower cold water in the Japan Sea).  
Ni En

Study of data for period 1929-41,  
referring to temperature, salinity,  
pH, O<sub>2</sub>, phosphate, silicate & nitrate.  
Regional divisions; vertical  
distribution of factors; mean, maximum  
& minimum values & amplitude. Many  
charts & tables.

FAO:sjh

M

Miyazaki, M. (1957) 59-4048  
Oceanogr.Mag., 9:209-25  
On storm surges which recently  
struck the Japanese coast

Summary of destructing surges since  
1900; distribution of height &  
anomaly of sea-level during surges,  
frequency of surges & short  
description of storm surges caused  
by typhoons.

FAO:tl

M

Katayama, T. (1958) 59-4046  
J.Fac.Fish.Hiroshima, 2(1):67-77  
Chemical studies on the volatile  
constituents of seaweed - IX. On the  
volatile constituents of Codium fragile

Analysis of material from Inland Sea,  
near Fukuyama with object of identifying  
sea "tang" & aromatic components of  
sea foods.

FAO:sjh

M

Ahrner, V. & al. (1958) 59-4049  
FiskTidskr.Finl., (4):99-108  
Vårt trålfiske (Our trawl  
fishery)

Review of present problems of trawling  
in Finnish waters with a summary of  
different types of trawls & their use.

GLK:tl

MF

Ishiguro, S. (1957) 59-4047  
Oceanogr.Mag., 9:159-207  
An electronic method for recording  
and analysing ocean waves - Part I.  
An electronic system for recording and  
analysing sea waves

Description of the instruments, &  
their working principles - wave-height  
& wave-pressure recorders; wave-form  
analyzers.

FAO:tl

M

Welle-Strand, E. (1958) 59-4050  
FiskTidskr.Finl., (4):123-7  
Världens största sillfiske (The  
greatest herring fishery in the  
world)

Review of Norwegian herring fishery.

GLK:tl

M



Järnefelt, H. (1959) 59-4051  
Suom.Kalastusl., 66(1):3-4  
 Voidaanko siikakantaa tukea tai  
 lisätä poikasia istuttamalla? (Is  
 it possible to strengthen whitefish  
 stocks or add fry by transplantation)

Review of the possibilities of  
 increasing whitefish stocks in lakes  
 by transplantation & hatching of eggs.

FAO:t1

F

Siltamaa, E. (1959) 59-4054  
Suom.Kalastusl., 66(1):22-3  
 Muovinen mädinhaudontasuppilo  
 (Plastic container for hatching of  
 fish eggs)

Description of hatching container  
 & its use.

FAO:t1

F

Ryhänen, R. (1959) 59-4052  
Suom.Kalastusl., 66(1):5-10  
 Sähkökalastus (Electrical fishing)

Review of the history of electrical  
 fishing, its fundamentals &  
 possibilities of its application in  
 practical fishing.

FAO:t1

F

Pitkänen, H. (1959) 59-4055  
Suom.Kalastusl., 66(1):23-5  
 Villasaksirapu (Wollhandcrab)

Notes on distribution of Eriocheir  
sinensis, its occurrence in Finnish  
 waters; observations on the life in  
 the air & molding behaviour.

FAO:t1

MF

Puhakka, J. (1959) 59-4053  
Suom.Kalastusl., 66(1):18-9  
 Verkkojen silmäharvuksista (On the  
 mesh sizes of nets)

Popular review of the influence of  
 mesh size of gill-nets on the catches.

FAO:t1

MF

Jerlov, N.G. (1959) 59-4056  
Deep-Sea Res., 5:173-84  
 Maxima in the vertical distribution  
 of particles in the sea

Examination of the relations of  
 distribution of suspended matters in  
 deep water to eddy diffusion,  
 salinity, & to the abundance of  
 particles in the upper layers.

FAO:t1

M

Tucker, M.J. (1959) 59-4057  
Deep-Sea Res., 5:185-92  
The accuracy of wave measurements  
made with vertical accelerometers

Theoretical examination of the  
accuracy of wave measurements with an  
accelerometer which sets itself  
perpendicular to the water surface.

FAO:t1

M

Vinogradova, N.G. (1959) 59-4060  
Deep-Sea Res., 5:205-8  
The zoogeographical distribution of  
the deep-water bottom fauna in the  
abyssal zone of the ocean

Analyses of the distribution of  
benthic invertebrates in depths  
> 2000 m; discussion of the factors  
determining the distribution &  
isolation of deep-sea benthic fauna  
& division of deep-sea fauna into  
regions, sub-regions & provinces.

FAO:t1

M

Kriss, A.E. (1959) 59-4058  
Deep-Sea Res., 5:193-200  
Microbiology and the chief problems  
in the Black Sea

Nature & amounts of bacterial flora in  
the surface layers, in deep water & in  
the sediments. Occurrence of deep water  
filamentous "sulphur" bacteria in the  
surface layers & discussion on the  
possibilities of disposal of radio-  
active wastes in the deep waters of  
Black Sea.

FAO:t1

M

Groves, G.W. (1959) 59-4061  
Deep-Sea Res., 5:209-14  
Flow estimate for the perpetual  
salt fountain

Computation of the rate of flow in  
certain conditions which might exist  
in subtropical & tropical seas &  
discussion of possible practical  
application of such fountain for  
increasing the productivity of the  
sea.

FAO:t1

M

Jerlov, N.G. & 59-4059  
J. Piccard (1959)  
Deep-Sea Res., 5:201-4  
Bathyscaph measurements of daylight  
penetration into the Mediterranean

Measurement of the penetration of blue  
daylight in the Mediterranean, south  
of Capri, & measurements of extinction  
in deep layers.

FAO:t1

M

Bourcart, J. (1959) 59-4062  
Deep-Sea Res., 5:215-21  
Les sédiments précontinentaux profonds  
dans le golfe de Gênes (Deep  
precontinental sediments in the gulf  
of Gênes)

Description of these sediments  
sampled by core sampling & dredging.

FAO:glk

M

Nielsen, E.Steemann & 59-4063  
 V.Kr. Hansen (1959)  
Deep-Sea Res., 5:222-33  
 Measurements with the carbon-14  
 technique of the respiration rates in  
 natural populations of phytoplankton

Presentation of rates of "net"  
 photosynthesis as a function of light  
 intensities & attempts to interpret  
 theoretically the rate of  
 respiration of phytoplankton.

FAO:tl

II

Manning, J.H. & 59-4066  
 H.T. Pfitzenmeyer (1958)  
Resour.Stud.Rep.Md., (12):6 p.  
 Exploratory survey of tidewater  
 bottoms, Somerset County, Maryland:  
 a preliminary report

Survey to determine distribution &  
 abundance of Mya arenaria; gives  
 chart & table of dredging results.

FAO:sjh

M

Thorndike, E.M. (1959) 59-4064  
Deep-Sea Res., 5:234-7  
 Deep-sea cameras of the Lamont  
 observatory

Ill. description of the camera.

FAO:tl

M

IHB (1959) 59-4067  
Monte-Carlo, 104-34  
 International hydrographic bulletin  
 no. 4. En Fr

Contains notes on activities of the  
 Bureau & information on charts,  
 sailing directions, lights, tides &  
 currents, work carried out & projected  
 & new charts & new editions of charts.

FAO:glk

M

Cohen, D.M. (1959) 59-4065  
Deep-Sea Res., 5:238-9  
 A remarkable Leptocephalus from off  
 the coast of Washington

Description of the sp. found &  
 suggestions on its possible identity.

FAO:tl

Thurrow, F. (1958) 59-4068  
FiskTidskr.Finl., (2):35-42  
 Det tyska trålfisket i Östersjön  
 (The German trawl fishery in the  
 Baltic Sea)

Description of the types of bottom  
 & midwater trawls & echosounders  
 used; technical & biological factors  
 affecting their use & catches.

FAO:tl

M



Italy. Istituto Centrale 59-4069  
di Statistica (1958)  
Roma, 131 p.  
Statistica della pesca e della caccia  
1958 (Fishing and hunting  
statistics 1958)

Statistical tabulation, with graphs,  
of: 1) production from sea, brackish  
water lagoons & freshwaters, summarised  
& in detail by months, spp. & areas; 2)-  
licenses issued of each type in each  
province & region; 3) market handlings  
by spp., months & localities, quantity  
& value; 4) fishing vessels by types,  
gears & localities.

FAO:glk

MF

Braarud, T., J. Markali 59-4072  
& E. Nordli (1958)  
Nytt Mag.Bot., 6:43-5  
A note on the thecal structure of  
Exuviaella baltica Lohm.

Contents as per title.

FAO:tl

M

Breivik, K. (1958) 59-4070  
Nytt Mag.Bot., 6:19-37  
Observations on the macroscopic algal  
vegetation in the fjords near  
Stavanger, Norway

Notes on the environmental conditions  
& taxonomical lists of the algae by  
profiles of depth.

FAO:tl

M

Braarud, T. & 59-4073  
B. FjØyn (1958)  
Nytt Mag.Bot., 6:47-73  
Phytoplankton observations in a  
brackish water locality of south-east  
Norway

Notes on environmental condition &  
seasonal changes of taxonomic  
composition of the population.

FAO:tl

MF

Braarud, T. (1958) 59-4071  
Nytt Mag.Bot., 6:39-42  
Observations on Peridinium trochoideum  
(Stein) Lemm. in culture

Notes on cell division & size  
variations.

FAO:tl

M

Smayda, T.J. (1958) 59-4074  
Nytt Mag.Bot., 6:75-96  
Phytoplankton studies around Jan Mayen  
island March-April, 1955

Notes on environmental conditions,  
taxonomic lists of spp. found in  
various stations, & their numerical  
abundance, with some biogeographical  
& taxonomic notes.

FAO:tl

M

Hauge, H.V. (1958) 59-4075  
Nytt Mag.Bot., 6:97-119  
On the freshwater species of Ceratium

A review of the spp. Ceratium  
hirundinella, C. cornutum, C.  
carolinianum & C. brachyceros,  
with notes on ontogenesis, ecology  
& distribution.

FAO:t1

F

Kitano, K. (1958) 59-4078  
Bull.Hokkaido reg.Fish.Res.Lab., (19)  
10-24

Oceanographic structure of the Bering  
Sea and the Aleutian waters - Part 2.  
Based on the oceanographic  
observations by the OSHORO-MARU,  
KOMABASHI, IWATE-MARU & SOYO-MARU  
during the 4 years 1956, 1936, 1935  
and 1934

Continuation of 59-4077, with, in  
addition, schematic oceanic models of  
Northern Pacific discussed.

FAO:sjh

M

Sundene, O. (1958) 59-4076  
Nytt Mag.Bot., 6:121-8  
Interfertility between forms of  
Laminaria digitata

Determination of interfertility by  
crossing experiments in cultures.

FAO:t1

M

Iizuka, A. & 59-4079  
M. Tamura (1958)  
Bull.Hokkaido reg.Fish.Res.Lab., (19)  
25-34

(Planktological environment in the  
Bering Sea, northern North Pacific  
and Okhotsk Sea in the summer of 1957).  
Ni En

Spp. & composition of microplankton,  
community distributions & movements  
of their boundaries; abundance of  
Calanus & other zooplanktons.

FAO:sjh

M

Kitano, K. (1958) 59-4077  
Bull.Hokkaido reg.Fish.Res.Lab., (19):  
1-9

Oceanographic structure of the Bering  
Sea and the Aleutian waters - Part I.  
Based on the oceanographic  
observations by R.V. TENYO-MARU of 1957

Synopsis & interpretation of data,  
with charts & tables. Temperature &  
salinity profiles, water mass  
distribution, geopotential topography.

FAO:sjh

M

Sano, O. (1958) 59-4080  
Bull.Hokkaido reg.Fish.Res.Lab., (19)  
35-6

(An aberrant sockeye salmon with pug  
head). Ni En

Oncorhynchus nerka specimen taken in  
NW Pacific, 18/7/58. 4 years of  
immature male; ill.

FAO:sjh

MF

Uno, T. & al. (1958) 59-4081  
Bull.Hokkaido reg.Fish.Res.Lab., (19):  
 37-52  
 (Experiments on keeping quality of  
 marine products treated with  
 antibiotics - I. On the keeping  
 freshness of pink salmon). Ni En

FAO:x

Oshima, H., S. Hagiwara 59-4084  
 & M. Sasajima (1958)  
Bull.Hokkaido reg.Fish.Res.Lab., (19):  
 72-7  
 (Studies on the preservation of  
 marine products - V. On the aerobic  
 bacteria in some crab cannings).  
Ni En

FAO:x

Oshima, H. & al. (1958) 59-4082  
Bull.Hokkaido reg.Fish.Res.Lab., (19):  
 53-65  
 (Experiments on keeping quality of  
 marine products treated with  
 antibiotics - II. On the keeping  
 freshness of cod). Ni En

FAO:x

Caldwell, D.K. (1957) 59-4085  
Bull.Fla St.Mus., 2:77-173  
The biology and systematics of the  
pinfish, *Lagodon rhomboides* (Linnaeus)  
 Distribution (W. Atlantic), systematics,  
 nomenclature; variation, morphology,  
 spawning, ecology - habitat preference,  
 effects of physical & chemical  
 environmental factors -, abundance,  
 growth rate, feeding, predators,  
 associated spp., parasites, behaviour,  
 fossiles, economic relationships,  
 methods of capture, bibliography.

FAO:sjh

M

Miwa, K., Y. Sato 59-4083  
 & E. Kinoshita (1958)  
Bull.Hokkaido reg.Fish.Res.Lab., (19):  
 66-71  
 (Studies on the utilization of  
 migratory fish - II. On the constituent  
 parts of body of saury and their  
 chemical components). Ni En

FAO:x

Canada. Department 59-4086  
 of Fisheries (1958)  
Ottawa, 93 p.  
Twenty-eighth annual report 1957-1958

Annual general report, under headings:  
 conservation & development service;  
 inspection & consumer service;  
 economics service; information &  
 educational service; industrial  
 development service; fisheries indemnity  
 plan; fisheries prices support board;  
 Fisheries Research Board of Canada  
 international commissions; special  
 committees; the fishing industry;  
 statistics of the fisheries; with an  
 appendix giving financial statements.  
 FAO:sjh MF



Jansson, A. (1958) 59-4087  
FiskTidskr., (1):7-9  
Det inhemska trålfisket (The  
indigenous trawl fishery)

Description of the development of  
trawl fishery in Finland & in central  
& northern Baltic in general.

FAO:t1

M

B.T. (1957) 59-4090  
Bul.Inst.Cerc.piscic., 16(2):85-6  
Pescuitul cu chipcelul în Dunăre  
(The fishery with scoop-nets in the  
Danube). Fr Ru

A note on its regulation.

FAO:sjh

F

Stenstrand, W. (1958) 59-4088  
FiskTidskr., (1):9-13  
Småbåtstrålfiskeförsöken i östra  
Nyland (Experimental trawl fishery  
with small boats in the eastern Nyland)

Review of trawl fishery development &  
results of trawling in gulf of Finland.

FAO:t1

M

Pennington, C.W. (1958) 59-4091  
Econ.Bot., 12(1):95-102  
Tarahumar fish stupefaction plants

A review of the methods of use,  
stupefying principles, parts  
employed & potency of plants of 13  
families used by the Tarahumar, a  
people of western Chihuahua, Mexico,  
to kill or stupefy fish for food.

FAO:wad

G

Bergman, G. (1958) 59-4089  
FiskTidskr., (1):13-24  
Torsken - Fisken av världsintresse  
(Cod - A fish of world interest)

Review of life history & distribution  
of cod; cod fishery in the Baltic Sea;  
possibilities to increase cod fishery  
in Finland; processing of cod on the  
sea & in the harbour.

FAO:t1

M

Schroeder, E. & al. (1959) 59-4092  
J.geophys.Res., 64:363-6  
Climatic stability of eighteen degree  
water at Bermuda

Vertical distribution of T, S%, O<sub>2</sub>  
off Bermuda 1954 to 1958 & some  
details of temperature structure of  
upper 800 m from 1873 to 1955.

FL:t1

M

Moore, D.G. & 59-4093

G. Shumway (1959)

J.geophys.Res., 64:367-74

Sediment thickness and physical properties: Pigeon Point shelf, California

Distribution of thickness of unconsolidated sediments on continental shelf; determination of wet density, porosity, compressional sound speed & absorption, static shear strength, sensibility & grain size distribution of the sediments.

TL:tl

M

Anonymous (1957)

59-4096

Discovery, 18:225-6

U.S. Navy to support bathyscaphe

Short ill. account of principles & history of the bathyscaphe.

FAO:sjh

M

Anonymous (1957)

59-4094

New Scient., 2(45):21

Ultrasonic protector for ships

Reports successful ocean tests of Marconi Postans equipment for preventing settlement on hulls of marine organisms, by vibration of the plating.

FAO:sjh

M

Anonymous (1957)

59-4097

Comm.Fish.Rev., 19(11):23

Vertical distribution of post-larval and age composition of ocean perch studied (M/V ALBATROSS III cruise 102)

Contents as per title.

FAO:

M

Anonymous (1957)

59-4095

Fish.Inf.Bull., Sept. 13:152

Underwater observation bucket

Describes an apparatus developed by POFI. It is suspended 8 feet below sea surface in which an observer wearing underwater breathing device can sit & study fish behaviour while vessel - in this case R.V.CHARLES H. GILBERT - is moving up to 6 knots, chumming for tuna.

FAO:sjh

M

Anonymous (1957)

59-4098

Comm.Fish.Rev., 19(12):39

Use of term "brevis red tide" for "red tide"

Contents as per title.

FAO:

M

Kawada, S., Y. Tawara 59-4099  
& C. Yoshimuta (1958)  
Bull.Jap.Soc.sci.Fish., 24:1-4  
(An attempt for determining the  
swimming speed of fish schools by the  
fish finder - Preliminary report).  
Ni En

Theory of method, & results of test  
to measure speed of horse-mackerel  
passing through entrance of a set net.

SJH:sjh

M

Kanda, K. (1958) 59-4102  
Bull.Jap.Soc.sci.Fish., 24:13-5  
(Vertical distribution of bottom  
fish - I.). Ni En

Analysis of monthly catches in 1953  
by otter & pair trawlers, in the  
East China & Yellow Seas, of Taius,  
Evynnis, Nemipterus, Saurida,  
Trichiurus, Argyrostomus, Miichthys,  
Pseudosciaena, Platycephalus & other  
spp.

SJH:sjh

M

Koike, A., K. Kanda 59-4100  
& M. Ogura (1958)  
Bull.Jap.Soc.sci.Fish., 24:5-8  
(A preparative study with trout for  
the salmon gill-net). Ni En

Effect of colour of net & time of day  
on its efficiency of capturing Salmo  
gairdnerii irideus.

SJH:sjh

MF

Taniguchi, T. (1958) 59-4103  
Bull.Jap.Soc.sci.Fish., 24:16-8  
(Hydrodynamic studies on the  
resistance of spherical glass floats  
for fishing net -II.). Ni En

SJH:x

Koike, A. (1958) 59-4101  
Bull.Jap.Soc.sci.Fish., 24:9-12  
(Comparative efficiency of differently  
coloured gill-net in the North Sea  
salmon fishing). Ni En

Field experiments on Oncorhynchus spp.  
fishery of N. Pacific.

SJH:sjh

MF

Fujisawa, H. & 59-4104  
T. Sukegawa (1958)  
Bull.Jap.Soc.sci.Fish., 24:19-23  
(Studies on the antiseptis of agar  
during the manufacturing process in  
the mild winter - IV. Effect of  
hypochlorite on disinfection or reed  
mats). Ni En

SJH:x



Fukuda, H. (1958) 59-4105  
Bull.Jap.Soc.sci.Fish., 24:24-8  
(Studies on the succinic dehydrogenase  
of fish - V. Difference of succinic  
dehydrogenase activity between various  
fishes and fish-organs). Ni En

SJH:x

Ota, F. (1958) 59-4108  
Bull.Jap.Soc.sci.Fish., 24:41-4  
(On the formation of amine in fish  
muscle - IV. Rapid method for the  
estimation of histamine in fish muscle).  
Ni En

SJH:x

Matsumoto, J.J. (1958) 59-4106  
Bull.Jap.Soc.sci.Fish., 24:29-36  
Some notes on M-actomyosin of squid  
muscle

SJH:x

Suzuki, K. (1958) 59-4109  
Bull.Jap.Soc.sci.Fish., 24:45-50  
(Preparation of a coating material  
by chlorination of fish oil - I. On  
the process of chlorination and  
properties of the product). Ni En

SJH:x

Ota, F. (1958) 59-4107  
Bull.Jap.Soc.sci.Fish., 24:37-40  
(On the formation of amine in fish  
muscle - III. Simple method for the  
detection of histamine in fish muscle).  
Ni En

SJH:x

Migita, M. & al. (1958) 59-4110  
Bull.Jap.Soc.sci.Fish., 24:51-8  
(On a specific behavior of "myosins"  
of squid muscle - I. Precipitability  
of "myosins"). Ni En

SJH:x

Watanabe, K. & 59-4111  
M. Inoue (1958)  
Bull.Jap.Soc.sci.Fish., 24:83-6  
(On the catches of the anchovy,  
Engraulis japonica (Houttuyn) in the  
Tokyo bay and its vicinity).  
Ni En

Analysis of monthly fishing results;  
fishing season, migrations, water  
temperature in vicinity of catches,  
distinction of 2 sub-populations,  
one migratory, the other not.

SJH:sjh

M

Hoshina, T. (1958) 59-4114  
Bull.Jap.Soc.sci.Fish., 24:100-2  
(Tissue levels of thiasin in  
rainbow trout). Ni En

Tissue concentrations in various  
organs of 15 g fish given thiasin  
at various rates were measured.

SJH:sjh

F

Honma, Y. (1958) 59-4112  
Bull.Jap.Soc.sci.Fish., 24:87-92  
On two new specimens of the  
catadromous eels from sea of Japan,  
with special reference to its  
pituitary gland

Morphology, gonad anatomy & histology;  
comparison of glandular condition of  
these specimens with those in fresh-  
water.

SJH:sjh

MF

Kanda, K. (1958) 59-4115  
Bull.Jap.Soc.sci.Fish., 24:103-10  
(Vertical distribution of bottom  
fishes - II.). Ni En

Continuation of 59-4102. Ratios of  
otter & pair trawl catches by area  
& season given for Chrysophrys,  
Taius, Branchiostegus, Evynnis,  
Nemipterus, Chelidonichthys,  
Miichthys, Argyrosomus, Saurida &  
Pseudosciaena spp.

SJH:sjh

M

Honma, Y. (1958) 59-4113  
Bull.Jap.Soc.sci.Fish., 24:93-9  
(On the aberrant body color found in  
synophthalmic chum salmon parr,  
Oncorhynchus keta Walbaum).  
Ni En

External morphology, endocrine  
histology & skin melanization  
described, explained & ill.

SJH:sjh

MF

Kanda, K. (1958) 59-4116  
Bull.Jap.Soc.sci.Fish., 24:111-20  
(Vertical distribution of bottom  
fishes - III.). Ni En

Continuation of 59-4115, presenting  
results for Trichiurus, Muraenesox,  
Paratichthys, Pleuronectidae,  
Lamnida, Lepidotrigla, Platycephalus,  
Psenopsis, Rajida & Areliscus spp.

SJH:sjh

M

Shirai, S. (1958) 59-4117  
Bull.Jap.Soc.sci.Fish., 24:121-4  
(Effect of temperature on ciliary  
movement of the gill of black banded  
wings pearl oyster, Pteria penguin  
Roding). Ni En

Tank experiments described & results  
analysed, showing existence of an  
optimum temperature for highest  
activity.

SJH:sjh

M

Ota, F. & 59-4120  
K. Kaneko (1958)  
Bull.Jap.Soc.sci.Fish., 24:140-3  
(On the formation of amine in fish  
muscle - VII. Effect of freezing on  
the histamine formation in the thawed  
fish muscle). Ni En

SJH:x

Matsumoto, J.J. (1958) 59-4118  
Bull.Jap.Soc.sci.Fish., 24:125-32  
On actomyosin of squid muscle from  
salt-extract - Preparation of acto-  
myosin

SJH:x

Fukushima, K. & al. (1958) 59-4121  
Bull.Jap.Soc.sci.Fish., 24:144-7  
(Polarographic studies on the  
molluscan meat - II.). Ni En

SJH:x

Matsumoto, J.J. (1958) 59-4119  
Bull.Jap.Soc.sci.Fish., 24:133-9  
On the protein composition of squid  
muscle

SJH:x

Uchiyama, H. & 59-4122  
T. Tanaka (1958)  
Bull.Jap.Soc.sci.Fish., 24:148-55  
(The softening deterioration of fish  
sausage - I. Some chemical and  
microscopical aspects). Ni En

SJH:x



Yokoseki, M., H. Uchiyama 59-4123  
& T. Mamizuka (1958)  
Bull.Jap.Soc.sci.Fish., 24:156-60  
(The softening deterioration of fish  
sausage - II. Microbiological studies  
of the softening deterioration).  
Ni En

SJH:x

Nakagome, J. (1958) 59-4126  
Bull.Jap.Soc.sci.Fish., 24:173-5  
On the seasonal variation of swimming  
layers of yellowfin tuna, big eyed tuna  
and black marlin in the area of  
Carolin and Marshall islands - III.  
On the relationship between seasonal  
variation of swimming layer and rate-  
of-catch). Ni En

Consideration of data given in 59-4125  
together with catch data for other  
areas mentioned.

SJH:sjh

M

Nakagome, J. (1958) 59-4124  
Bull.Jap.Soc.sci.Fish., 24:165-8  
(Morphometric comparison of yellowfin  
tuna for the western, middle and  
eastern parts of the Indian ocean).  
Ni En

Regression analysis of results  
obtained by SAGAMIMARU for Neothunnus  
macropterus shows allometric  
differences in different parts of the  
area studied.

SJH:sjh

M

Mitani, F. (1958) 59-4127  
Bull.Jap.Soc.sci.Fish., 24:176-81  
(Feeding habits of the yellow-tail,  
Seriola quinqueradiata T. & S., caught  
in Wakasa bay, the Japan Sea, based on  
its stomach contents - I. Food elements  
and their seasonal variation). Ni En  
Qualitative & quantitative study of  
107 specimens caught by trap-nets &  
angling, Dec. 1956 to Nov. 1957.

SJH:sjh

M

Nakagome, J. (1958) 59-4125  
Bull.Jap.Soc.sci.Fish., 24:169-72  
(On the seasonal variation of  
swimming layers of yellowfin tuna, big  
eyed tuna and black marlin in the area  
of Caroline and Marshall islands - II.  
Relation between seasonal variation of  
swimming layer and vertical  
distribution of water-temperature).  
Ni En

Analysis of catches by SAGAMIMARU,  
NACHIMARU & IWATEMARU of Neothunnus  
macropterus, Parathunnus sibi &  
Makaira mazara.

SJH:sjh

M

Mitani, F. (1958) 59-4128  
Bull.Jap.Soc.sci.Fish., 24:182-5  
(Feeding habits of the yellow-tail,  
Seriola quinqueradiata T. & S., caught  
in Wakasa bay, the Japan Sea, based on  
its stomach contents - II. Daily change  
of feeding activity and variation in  
feeding activity with its growth).  
Ni En

Continuation of 59-4127.

SJH:sjh

M

Togasawa, Y. (1958) 59-4129  
Bull.Jap.Soc.sci.Fish., 24:186-90  
(Effects of metal ions on the  
glycylglycine dipeptidase - IX. On the  
states of Mg in enzyme solution of  
pyloric caeca). Ni En

SJH:x

Saito, K. & 59-4132  
H. Sameshima (1958)  
Bull.Jap.Soc.sci.Fish., 24:201-4  
(Studies on the biochemical change in  
fish muscle - VIII. On the proteolytic  
activity of fish muscle extracts).  
Ni En

SJH:x

Togasawa, Y. (1958) 59-4130  
Bull.Jap.Soc.sci.Fish., 24:191-5  
(Effects of metal ions on the  
glycylglycine dipeptidase - X. On the  
mechanism of Mg<sup>++</sup> participation in the  
formation of active glycylglycine  
dipeptidase). Ni En

SJH:x

Katayama, T. (1958) 59-4133  
Bull.Jap.Soc.sci.Fish., 24:205-8  
(Chemical studies on volatile  
constituents of sea-weed - On volatile  
constituents of Digenia simplex).  
Ni En

SJH:x

Saito, K. & 59-4131  
T. Hidaka (1958)  
Bull.Jap.Soc.sci.Fish., 24:196-200  
(Studies on the biochemical change in  
fish muscle - VII. On the viscosity  
change and superprecipitation of the  
myosin A and B fractions caused by  
ATP addition). Ni En

SJH:x

Kanemitsu, T. & 59-4134  
H. Aoe (1958)  
Bull.Jap.Soc.sci.Fish., 24:209-15  
(Studies on the carotenoids of salmon  
I. Identification of the muscle  
pigments). Ni En

SJH:x

Matsuura, F. & 59-4135  
K. Hashimoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:216-20  
(Chemical studies on the red muscle  
("Chiai") of fishes - VIII. Preparation  
of crystalline cytochrome C from the  
red muscle of tunny-fish). Ni En

SJH:x

Inoue, M. & 59-4138  
M. Ogura (1958)  
Bull.Jap.Soc.sci.Fish., 24:317-21  
(The characteristic behaviors of  
anchovy shoals called "rippling" and  
"jumping" in Tokyo bay). Ni En

Quantitative analysis of observations  
of these phenomena made from a sardine  
purse-seine boat from 1950 to 1957.

SJH:sjh

M

Takatsuka, N., T. Tawara 59-4136  
& H. Ono (1958)  
Bull.Jap.Soc.sci.Fish., 24:221-6  
(Efficacy of some antibiotics as  
preservatives for fresh tunny).  
Ni En

SJH:x

Nakagome, J. (1958) 59-4139  
Bull.Jap.Soc.sci.Fish., 24:322-5  
(On the periodical change of the  
fishing condition and the body-length  
of a whole year and the distribution  
and migration of swordfish of the  
northwestern part of the Pacific  
ocean). Ni En

Analysis of monthly catch rates &  
length frequencies of Xiphias gladius  
over a series of years to determine  
distribution & migration patterns,  
recruitment & stock identities.

SJH:sjh

M

Inoue, M. & 59-4137  
M. Ogura (1958)  
Bull.Jap.Soc.sci.Fish., 24:311-6  
(The swimming-water-depth for anchovy  
shoals in Tokyo bay). Ni En

Variation with time of day & fishing  
ground, but not with size of fish or  
season, as determined by fish finder  
records & catches by purse-seine, 1950-  
1957.

SJH:sjh

M

Kinoshita, S. & 59-4140  
K. Teramoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:326-9  
(Effects of light intensity and water-  
temperature on the growth of Porphyra-  
frond). Ni En

Cell division rates under various  
conditions in indoor culture.

SJH:sjh

M



Hirano, H. (1958) 59-4141  
Bull.Jap.Soc.sci.Fish., 24:330-3  
(On the contraction of a gelatin-water  
system). Ni En

SJH:x

Fujisawa, H. & 59-4144  
T. Sukegawa (1958)  
Bull.Jap.Soc.sci.Fish., 24:342-5  
(Studies on the antiseptics of agar  
during the manufacturing process in the  
mild winter - V. Application of  
antiseptic treatments to the  
preservation of agar quality).  
Ni En

SJH:x

Ota, F. (1958) 59-4142  
Bull.Jap.Soc.sci.Fish., 24:334-7  
(Carbonyl compounds in fish as related  
to the deterioration - I. Detection  
of volatile carbonyl compounds formed in  
fish flesh). Ni En

SJH:x

Katayama, T. (1958) 59-4145  
Bull.Jap.Soc.sci.Fish., 24:346-54  
Chemical studies on volatile  
constituents of seaweed - XIII. On  
volatile constituents of Laminaria sp.

SJH:x

Ota, F. (1958) 59-4143  
Bull.Jap.Soc.sci.Fish., 24:338-41  
(Carbonyl compounds in fish as related  
to the deterioration - II. Thermal  
production of formaldehyde in fish  
flesh). Ni En

SJH:x

Matsumoto, J.J. (1958) 59-4146  
Bull.Jap.Soc.sci.Fish., 24:355-62  
The effect of ATP on the viscosity of  
squid actomyosin

SJH:x

Migita, M. & 59-4147  
K. Kanna (1958)  
Bull.Jap.Soc.sci.Fish., 24:363-9  
(Deterioration of the shell-fish poison  
"Venerupin" by inorganic salts).  
Ni En

SJH:x

Suzuki, K. (1958) 59-4150  
Bull.Jap.Soc.sci.Fish., 24:381-5  
(Preparation of a coating material by  
chlorination of fish oil - II.  
Separation of the product from the  
solution in carbontetrachloride by  
precipitation method). Ni En

SJH:x

Uchiyama, H., M. Yokoseki 59-4148  
& K. Mctohashi (1958)  
Bull.Jap.Soc.sci.Fish., 24:370-7  
The softening spoilage of fish sausage -  
III. An anaerobic starch digestion by  
Bacillus circulans isolated from  
softened part of fish sausage and other  
Bacillus species). Ni En

SJH:x

Wilson, D.P. (1959) 59-4151  
Nature, Lond., 183:852  
American marine life  
  
Review of 59-3012.

GLK:

M

Koizumi, C. & 59-4149  
J. Nonaka (1958)  
Bull.Jap.Soc.sci.Fish., 24:378-80  
(Studies on the unpleasant smell common  
to the salmon canned in electrolytic  
tin-plate can.). Ni En

SJH:x

Wright, C.A. (1959) 59-4152  
Nature, Lond., 183:906-7  
Generic nomenclature of the  
intermediate hosts of Schistosoma  
mansoni  
  
Contents as per title.

GLK:wad

M

<p>Popham, E.J. (1959) 59-4153  <u>Nature, Lond.</u>, 183:914  Respiration of Corixidae (Hemiptera-Heteroptera)    Contents as per title.</p> <p>GLK:wad F</p>	<p>Kropf, A., P.K. Brown 59-4156  &amp; R. Hubbard (1959)  <u>Nature, Lond.</u>, 183:446-8  Lumi- and meta-rhodopsins of squid and octopus    Describes experimental results with <u>Loligo peali</u> and <u>Octopus vulgaris</u>.</p> <p>GLK:wad M</p>
<p>Yonge, C.M. (1959) 59-4154  <u>Nature, Lond.</u>, 183:420-1  Marine ecology    Review of 59-2032.</p> <p>GLK: M</p>	<p>Vacquier, V. (1959) 59-4157  <u>Nature, Lond.</u>, 183:452-3  Measurement of horizontal displacement along faults in the ocean floor    Describes measurement of Pioneer Ridge, an east-west fault along 38°30'N lat. &amp; between 127° &amp; 136°W long.</p> <p>GLK:wad M</p>
<p>Hubbard, R., P.K. Brown 59-4155  &amp; A. Kropf (1959)  <u>Nature, Lond.</u>, 183:442-6  Action of light on visual pigments    Describes experimental results in 5 vertebrates: monkey, cattle, chicken, bullfrog, <u>Rana catesbiana</u>, &amp; cusk, <u>Brosme brosme</u>.</p> <p>GLK:wad MF</p>	<p>Rasmussen, E. (1959) 59-4158  <u>Nature, Lond.</u>, 183:479-80  Behaviour of sacculinized shore crabs (<u>Carcinus maenas</u> Pennant)    Describes observations &amp; experiments indicating that both male &amp; females infested with <u>Sacculina</u> &amp; carrying an externa (Containing the gonads of the parasite) behave like normal berried females.</p> <p>GLK:wad M</p>



Kabata, Z. (1959) 59-4159  
Nature, Lond., 183:481  
A monogenetic trematode new to the  
British fauna

Describes presence of Gyrodactylus  
callariatis from Gadus callarias taken  
along the east coast of Scotland in  
1958.

GLK:wad

M

Southcott, B.A. & 59-4162  
H.L.A. Tarr (1957)  
Canad.J.Microbiol., 3:195-202  
Microbiological formation of vitamin  
B<sub>12</sub> - II. Synthesis of vitamin B<sub>12</sub>  
active substances by bacteria  
isolated from clams

Vitamin B<sub>12</sub><sup>2</sup> occurred in certain  
seaweeds & this vitamin & other  
cobalamins were demonstrated  
regularly in marine invertebrates. A  
Bacillus & a Micrococcus isolated from  
fresh clams were selected for detailed  
study on the basis of their  
pronounced ability to form cobalamins,

Anonymous (1957) 59-4160  
Bull.math.Biophys., 19:237-40  
Experimental ecology of nutrition of  
fishes

An important critical review of original  
publication with the same title, by  
V.S. Ivlev, Pischchepromizdat, Moscow,  
252 p., 1955.

SJH:

MF

59-4162  
(Card 2)  
& because they appeared to be  
typical of the bacterial flora of  
these invertebrates.  
(issued as :Stud.Stas Fish.Res.Bd Can.  
1957(467) ).

FAO:bas

M

Jónsson, S. (1957) 59-4161  
C.R.Acad.Sci., Paris, 244:1251-4  
Sur la reproduction et la sexualité de  
l'Acrosiphonia spinescens (Kütz.) Kjellm.  
(On the reproduction and sexuality of  
Acrosiphonia spinescens (Kütz.) Kjellm.)

Life cycle of this cladophoran related  
to Spongomorpha & found in boreal seas.  
Ill. of specimens from French Atlantic  
coast.

FAO:sjh

M

Idler, D.R. & 59-4164  
U.H.M. Fagerlund (1957)  
J.Amer.chem.Soc., 79(1988):1-7  
Marine sterols - III. The synthesis of  
24-methylenecholesterol and 25-  
dehydrocholesterol

Study to confirm by synthesis the  
structure established for this sterol  
by chemical degradation & to test the  
hypothesis that its biological  
reduction offered a possible  
explanation for the origin of C<sub>24</sub>-  
epimeric 28-carbon sterols in nature.  
(issued as: Stud.Stas Fish.Res.Bd Can.  
1957(470) ).  
FAO:glk

M

Gasch, A. (1957) 59-4165  
Öst.Fisch., 10(1):1-7  
Über den derzeitigen Stand der  
Bauchwassersuchtfraße beim Karpfen  
(On the present status of dropsy  
investigations in carp)

Review of dropsy disease in carp with  
notes on treatment of diseased fish.

FAO:efa

F

Blaxter, J.H.S. (1958) 59-4168  
Scott.Fish.Bull., (10):6-10  
Fishing with lights

A short review of the uses of this  
method with notes on its possible  
future development, especially in the  
N. Sea.

SJH:sjh

M

Dickson, W. (1958) 59-4166  
Scott.Fish.Bull., (10):2-4  
MARA

Ill. description of new 23 ft. research  
vessel.

SJH:sjh

M

Holliday, F.G.T. (1958) 59-4169  
Scott.Fish.Bull., (10):11-3  
The spawning of the herring

Short note on shipboard tank  
experiments with trammel caught,  
Clupea harengus, to determine  
influence of type of bottom & light;  
control by pituitary.

SJH:sjh

M

Jones, R. (1958) 59-4167  
Scott.Fish.Bull., (10):4-5  
Market sampling

Note explaining the purposes of  
sampling haddock & whiting at Aberdeen  
to determine mortality rates for  
legislative advice.

SJH:sjh

M

Pyefinch, K.A. (1958) 59-4170  
Scott.Fish.Bull., (10):13-4  
The freshwater fisheries laboratory,  
Pitlochry

Short account of the research  
programme of the laboratory & results  
obtained on biology of Salmo trutta  
(homing), possibilities of  
fertilizing water bodies, & relation  
of hydroelectric development to salmon  
& sea-trout, stocks & fisheries.

SJH:sjh

MF

McPherson, G. (1958) 59-4171

Scott.Fish.Bull., (10):15-7

The international herring tagging experiments

Note on plan & operation of experiments in 1957 & 1958 sponsored by ICES.

SJH:sjh

M

Anonymous (1958)

59-4174

Scott.Fish.Bull., (10):23-4

New items

Incl. notes on rare fish (occurrence of Balistes capriscus on Scottish west coast). Developments in fish tagging (list of spp. tagged by UK & Scandinavian countries in NE Atlantic), & Clyde herring forecast.

SJH:sjh

M

McIntyre, A.D. (1958)

59-4172

Scott.Fish.Bull., (10):18-9

Scallop survey

Short report on exploratory fishing around Scottish west coast.

SJH:sjh

M

Idler, D.R. &

59-4175

U.H.M. Fagerlund (1957)

Chem. & Ind.(Rev.), April 6, 1957:432

The heterogeneity of ostreasterol and chalinasterol

Note on the component sterols of the sterols of Ostrea gigas & Crassostrea virginica. (issued as: Stud.Stas Fish. Res.Bd Can., 1957(475) ).

FAO:glk

MF

Kabata, Z. (1958)

59-4173

Scott.Fish.Bull., (10):20-2

The invisible enemies

Ill. note on parasites of fish, especially protozoans, Myxobolus aeglefini on haddock, Nosema branchhiale on gills of several marine spp., Pleistophora spp. on cod & catfish, Eimeria gadi on whiting, cod & haddock, Chloromyxum on herring; fungi on herring & other spp.

SJH:sjh

M

Tsuyuki, H. &

59-4176

D.R. Idler (1957)

J.Amer.chem.Soc., 79(1771):4 p.

A new adenyl-succinic acid derivative containing sulfate and a peptide

Report of the isolation & identification of a derivative of adenylsuccinic acid (I) from salmon liver. (issued as: Stud.Stas Fish.Res. Bd Can., 1957(476) ).

FAO:glk

MF



Scott, D.M. (1957) 59-4177  
J.Parasit., 43(3):290  
Records of larval Contracaecum sp. in  
3 species of mysids from the Bras d'Or  
lakes, Nova Scotia, Canada

(issued as: Stud.Stas Fish.Res.Bd Can.,  
1957(477) ).

FAO:

MF

Ricker, W.E. (1958) 59-4180  
Verh.int.Ver.Limnol., 13:84-100  
Production, reproduction and yield

Current theory on fish populations  
under exploitation, dealing with  
natural mortality, growth rate,  
recruitment, qualitative & temporary  
changes resulting from fishing,  
calculations of equilibrium yield & the  
effects of environmental variability.  
(issued as: Stud.Stas Fish.Res.Bd Can.,  
1957(484) ).

FAO:glk

MF

Tarr, H.L.A. (1957) 59-4178  
Chem. & Ind.(Rev.), May 4, 1957:562-3  
Deoxyribose-1: 5-diphosphate

Note on reactions found in a study of  
fish muscle purine riboside  
phosphorylase. (issued as: Stud.Stas  
Fish.Res.Bd Can., 1957(480) ).

FAO:glk

MF

Butler, T.H. (1957) 59-4181  
Don McDiarmid, Victoria, B.C., 3 p.  
Abnormal appendages of the Pacific  
edible crab, Cancer magister Dana

Brief description of these  
abnormalities. (issued as: Stud.Stas  
Fish.Res.Bd Can., 1957(485) ).

FAO:glk

M

Hachey, H.B. (Comp.) (1957) 59-4179  
Ottawa, 19 p.  
Canadian oceanography 1954-57

Account of the scope & results of  
Canadian oceanographic research, its  
programmes, institutions & literature.  
There is a chapter on physical limnology.  
(issued as: Stud.Stas Fish.Res.Bd Can.,  
1957(483) ).

FAO:glk

MF

Warburton, F.E. (1957) 59-4182  
Pubbl.Staz.zool.Napoli, 30  
Removing intact bivalves from their  
shells

Laboratory technique of narcosis &  
operation. (issued as: Stud.Stas Fish.  
Res.Bd Can., 1957(496) ).

FAO:glk

M

Templeman, W. (1957) 59-4183  
Annu.Proc.I.C.N.A.F., 7:21-7  
Part 3 - Summaries of research 1956.  
A. Summaries by countries - I. Canadian  
researches, 1956 - Subarea 2

Summary account, for ICNAF, of work on  
Melanogrammus aeglefinus L., Sebastes  
marinus L., Hippoglossoides platessoides  
Fabr., Glyptocephalus cynoglossus L.,  
Gadus callarias L., plankton hydro-  
graphy, tagging, determination of the  
age of haddock, high cod landings,  
discarded cod & mesh selection. (issued  
as: Stud.Stas Fish.Res.Bd Can., 1957  
(497F) ).  
FAO:glk M

Fagerlund, U.H.M. & 59-4184  
D.R. Idler (1957)  
J.Amer.chem.Soc., 79:6473  
Marine sterols - IV. 24-Dehydrocho-  
lesterol: isolation from a barnacle and  
synthesis by the Wittig reaction  
  
(issued as: Stud.Stas Fish.Res.Bd Can.,  
1957(498) ).

FAO: M

Waldichuk, M. (1957) 59-4186  
In "Biological Problems in Water  
Pollution", U.S.Dep. Interior, Education  
& Welfare, Bureau of State Services,  
Cincinnati, Ohio, 188-94  
Report on pollution studies conducted  
in western Canada

Discussion of the nature & intensity of  
industrial pollution problems with  
identification of 3 basic types of  
marine systems (inlet, coastal seaway  
& restricted embayment) where pulp  
mill pollution must be studied; &  
examination of domestic (sewage)

59-4186  
(Card 2)  
pollution at Vancouver & Nanaimo  
bay. (issued as: Stud.Stas Fish.Res.Bd  
Can., 1957(510) ).

FAO:glk MF

Taylor, F.H.C., A.S. Hourston 59-4185  
& D.N. Outram (1957)  
Rep.B.C.Dep.Fish., 1956:45-77  
The status of the major herring stocks  
in British Columbia in 1956-57

Account of tagging operations &  
recoveries, sampling & the determination  
of age composition & year-class strength,  
average length & weight, & sex ratio;  
assessment of the extent & intensity of  
spawning, with detailed tabulation of  
data from this work. (Issued as: Stud.Stas  
Fish.Res.Bd Can., 1957(500) ).  
FAO:glk M

Otsu, T. (1959) 59-4188  
Comm.Fish.Rev., 21(1):1-12  
A survey of the American and Japanese  
albacore tuna fisheries in the Pacific  
through examination of catch statistics

Description of these fisheries for  
Germo alalunga; history, catch trends  
areas fished - temperate N. Pacific &  
tropical Pacific.

FAO: sjh M

Anonymous (1959) 59-4189  
Comm.Fish.Rev., 21(1):24  
Alaska - Sea and land areas surveyed  
for new maps and charts  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4192  
Comm.Fish.Rev., 21(1):25-7  
California - Sardine population survey  
off coast of central Baja California  
(M/V ALASKA cruise 58-A-5)  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4190  
Comm.Fish.Rev., 21(1):24-5  
California - Aerial census of commercial  
and sport fishing continued (Airplane  
spotting flight 58-18)  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4193  
Comm.Fish.Rev., 21(1):28  
Columbia river basin - Interior  
department urges further fishery  
studies for proposed Snake river dam  
  
Contents as per title.

FAO: F

Anonymous (1959) 59-4191  
Comm.Fish.Rev., 21(1):25  
California - Salmon catch lower but  
spawning higher in 1958  
  
Contents as per title.

FAO: MF

Anonymous (1959) 59-4194  
Comm.Fish.Rev., 21(1):29  
Florida - Fisheries research  
  
Sea trout tagging; shrimp tagging;  
& artificial crab bait.

FAO:sjh M



Albano, G.A. (1959) 59-4195  
Comm.Fish.Rev., 21(1):31-2  
Great Lakes - Lake trout and whitefish  
markets at Chicago  
  
Contents as per title.

FAO:

F

Anonymous (1959) 59-4198  
Comm.Fish.Rev., 21(1):33-4  
Great Lakes fisheries exploration and  
gear research - Lampara seines tested  
in smelt fishery (cruise 1, October  
1-31, 1958)

Contents as per title.

FAO:

F

Anonymous (1959) 59-4196  
Comm.Fish.Rev., 21(1):32-3  
Great Lakes - Lampricide testing  
extended to Canada  
  
Contents as per title.

FAO:

F

Anonymous (1959) 59-4199  
Comm.Fish.Rev., 21(1):34  
Great Lakes fishery investigations -  
Survey of western lake Erie fish  
populations continued (M/V CISCO  
cruise 11)

Contents as per title.

FAO:

F

Anonymous (1959) 59-4197  
Comm.Fish.Rev., 21(1):33  
Great Lakes fisheries exploration and  
gear research - New program for Great  
Lakes started  
  
Contents as per title.

FAO:

F

Anonymous (1959) 59-4200  
Comm.Fish.Rev., 21(1):34-5  
Great Lakes fishery investigations -  
Western lake Superior herring and  
general fishery survey continued  
(M/V SISCOWET cruise 7)

Contents as per title.

FAO:

F

Anonymous (1959) 59-4201  
Comm.Fish.Rev., 21(1):36  
North Atlantic fisheries exploration  
and gear research - Exploratory fishing  
for launce off southern New England and  
Long Island unsuccessful (M/V DELAWARE  
cruise 6)

Contents as per title.

FAO:

M

Anonymous (1959) 59-4204  
Comm.Fish.Rev., 21(1):38-9  
Oysters - Deep-water Chesapeake  
Bay oyster losses due to oxygen  
deficiency

Contents as per title.

FAO:

M

Anonymous (1959) 59-4202  
Comm.Fish.Rev., 21(1):36-7  
North Atlantic fisheries  
investigations - Fall 1958 haddock  
surveys indicate poor catches until  
mid-1960

Contents as per title.

FAO:

M

Anonymous (1959) 59-4205  
Comm.Fish.Rev., 21(1):39-41  
Oysters - Divers study behaviour of  
starfish and industry control methods

Contents as per title.

FAO:

M

Anonymous (1959) 59-4203  
Comm.Fish.Rev., 21(1):37-8  
North Atlantic fisheries  
investigations - Instruments used with  
television camera calibrated (M/V  
ALBATROSS III cruise 121)

Contents as per title.

FAO:

M

Anonymous (1959) 59-4206  
Comm.Fish.Rev., 21(1):41-2  
Oysters - Maryland's Chesapeake bay  
oyster set poor in 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-4207  
Comm.Fish.Rev., 21(1):42  
Oysters - Oyster-setting experiment in  
artificial pond shows promise  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4210  
Comm.Fish.Rev., 21(1):44-5  
Pacific oceanic fishery investigations -  
Young tuna caught with new-type  
midwater trawl (M/V HUGH M. SMITH  
cruise 47)

Contents as per title.

FAO: M

Anonymous (1959) 59-4208  
Comm.Fish.Rev., 21(1):42-3  
Pacific oceanic fishery investigations  
Tuna feeding behaviour in Line islands  
area studied (M/V CHARLES H. GILBERT  
cruise 42)

Contents as per title.

FAO: M

Anonymous (1959) 59-4211  
Comm.Fish.Rev., 21(1):45  
Salmon - Aerial census used to count  
salmon egg nests in Columbia River  
Basin

Contents as per title.

FAO: MF

Anonymous (1959) 59-4209  
Comm.Fish.Rev., 21(1):43-4  
Pacific oceanic fishery investigations  
Tuna tagging returns reveal growth  
rates and movements

Contents as per title.

FAO: M

Anonymous (1959) 59-4212  
Comm.Fish.Rev., 21(1):45-6  
Salmon - New Oregon salmon hatchery  
completed

Contents as per title.

FAO: MF



Anonymous (1959) 59-4213  
Comm.Fish.Rev., 21(1):46  
Sea lions - Population off California  
coast increases

Contents as per title.

FAO: M

Anonymous (1959) 59-4216  
Comm.Fish.Rev., 21(1):54-5  
United Nations - Law of the sea  
convention closed for signature

Contents as per title.

FAO: M

Anonymous (1959) 59-4214  
Comm.Fish.Rev., 21(1):47  
Tuna - United States clipper surveys  
tuna resources off West African coast

Contents as per title.

FAO: M

Anonymous (1959) 59-4217  
Comm.Fish.Rev., 21(1):56  
Australia - Measures taken to conserve  
spiny lobster stocks

Contents as per title.

FAO: M

Anonymous (1959) 59-4215  
Comm.Fish.Rev., 21(1):48-9  
United States fishery landings,  
January-October 1958

Contents as per title.

FAO: MF

Anonymous (1959) 59-4218  
Comm.Fish.Rev., 21(1):56-7  
Australia - Shrimp industry trends

Contents as per title.

FAO: M

Anonymous (1959) 59-4219  
Comm.Fish.Rev., 21(1):58-61  
Canada - Fisheries minister accepts  
new research vessel

Contents as per title.

FAO: M

Anonymous (1959) 59-4222  
Comm.Fish.Rev., 21(1):67  
Iran - Shrimp fishery to expand

Contents as per title.

FAO: M

Anonymous (1959) 59-4220  
Comm.Fish.Rev., 21(1):61  
Costa Rica - Commercial fishing in  
gulf of Nicoya restricted

Contents as per title.

FAO: M

Anonymous (1959) 59-4223  
Comm.Fish.Rev., 21(1):68-9  
Japan - Fishery implications of  
Chinese 12-mile territorial waters  
zone considered

Contents as per title.

FAO: M

Anonymous (1959) 59-4221  
Comm.Fish.Rev., 21(1):62-3  
Denmark - Danish minister comments on  
Faroe Islands fishing limits

Contents as per title.

FAO: M

Anonymous (1959) 59-4224  
Comm.Fish.Rev., 21(1):69  
Japan - Plans for mothership-type  
trawler fleet fishing in North Pacific

Contents as per title.

FAO: MF

Anonymous (1959) 59-4225  
Comm.Fish.Rev., 21(1):70  
Japan - Third tuna mothership fishing  
fleet sails for tropical Pacific  
grounds  
  
Contents as per title.

FAO: MF

Anonymous (1959) 59-4228  
Comm.Fish.Rev., 21(1):74  
Sweden - Delegates report on  
international fishing conference  
held in Paris  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4226  
Comm.Fish.Rev., 21(1):71  
Libya - Adheres to law of the sea  
resolutions  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4229  
Comm.Fish.Rev., 21(1):76  
Union of South Africa - South and  
South-West Africa pilchard-  
maasbanker industry, 1958  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4227  
Comm.Fish.Rev., 21(1):72  
Norway - Committee recommends changes  
in fishing industry  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4230  
Comm.Fish.Rev., 21(1):79  
Department of Interior Fish and  
Wildlife Service - Additional  
hearing on commercial fishing  
regulations held  
  
Contents as per title.

FAO: M



Lacombe, H. & 59-4231

J.-C. Lizeray (1959)  
C.R.Acad.Sci., Paris, 248:2502-4  
Sur le régime des courants dans le  
détroit de Gibraltar (On the  
current system in the strait of  
Gibraltar)

Surface & deep current observations  
in August 1958 by WINHARETTA-SINGER.  
Evaluation of mass transport.

FAO:sjh

M

Dutrieu, J. (1959) 59-4234

C.R.Acad.Sci., Paris, 248:2522-4  
Les pigments d'Artemia salina L.  
Rapport entre la nature des pigments  
et le mode de reproduction des adultes  
(The pigments of Artemia salina L.  
Relation between the nature of  
pigments and mode of reproduction of  
the adults)

Study of pigment composition &  
distribution in eggs, embryo & adult  
organisms. Haemoglobin synthesis is  
only possible if the environment lacks  
oxygen, & contains certain alimentary

Cléret, J.-J. (1959) 59-4232

C.R.Acad.Sci., Paris, 248:2508-10  
Polytypisme antennulaire et rapport  
numérique des sexes chez Cyathura  
carinata (Kröyer) (Isopode Anthuridae)  
(Antennular polymorphism and sex ratio  
in Cyathura carinata Kröyer, Anthurid  
isopod)

3 antenna types have difference  
frequencies of occurrence in the  
sexes in samples from Roscoff & Luc.  
Precocious mortality of males causes  
change of sex ratio in favour of  
females between May & September.

FAO:sjh

M

59-4234

(Card 2)

substances; oviposition only occurs  
when there is haemoglobin synthesis -  
the brown egg pigment serves to eliminate  
excess haemoglobin - & if the female  
has received sufficient carotenoids  
in the food.

FAO:sjh

M

Secondat, M. & 59-4233

R. Quillier (1959)  
C.R.Acad.Sci., Paris, 248:2514-6  
Voies d'absorption des solutions de  
glucose et modifications de la glycémie  
chez la carpe (Cyprinus carpio L.)  
(Processes of absorption of glucose  
solutions & change in glycogen  
metabolism in the carp Cyprinus carpio  
L.)

Immersion experiments show uptake by  
gills & gut & rapid dispersal in blood.

FAO:sjh

F

Shuleikin, V.V. (1958) 59-4236  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-3):299-302

Adaptation for movement and the  
turning ability of fish

English transl. of 583244. Formulation  
of an expression for the calculation  
of coefficients of horizontal &  
turning ability & resistance, &  
tabulation of values of these  
coefficients for a range of spp., from  
fast predatory forms to sluggish  
bottom-dwelling forms.

FAO:glk

MF

Pavlovskii, E.N. (1958) 59-4237  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):325-8

The nucleolar apparatus in the  
oogenesis of Cyclops

English transl. of 583246. Account of  
the changes in the shape of the  
nucleolus during development, with  
notes on dependence of these changes  
on living conditions.

FAO:glk

MF

Shmal'gauzen, I.I. (1958) 59-4240  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):356-60

The union of gametes in the sturgeon  
family of fishes, in the absence of  
calcium ions

English transl. of 583805. Microscopic  
observation of eggs of hypophy-  
sectomised Acipenser guldenstadti  
colchicus v. Marti & A. stellatus Pall,  
fertilised in the absence of Ca.

FAO:glk

MF

Pavlovskii, E.E. (1958) 59-4238  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):346-8

The survival of anchovy larvae in the  
northwest and certain other regions  
of the Black Sea in 1954-55 in relation  
to food conditions

English transl. of 583239. Feeding rate  
of the larvae of Engraulis encrasi-  
cholus Z. in relation to the density  
& distribution of food supply.

FAO:glk

M

Pavlovskii, E.N. (1958) 59-4241  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):361-4

Concerning the development of oocyte  
coverings in the Russian, starred, and  
small sturgeon

English transl. of 583811. Account of  
the membranes covering the oocytes of  
sturgeon during stage IV of gonadal  
maturation, & the origin of these  
membranes.

FAO:glk

MF

Pavlovskii, E.N. (1958) 59-4239  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):349-52

Uptake and loss of calcium in first-  
year carp as a function of the  
concentration of calcium salts in the  
surrounding medium

English transl. of 583245. Use of  
radioactive calcium ( $Ca^{45}$ ) in studies  
of first-year x Amur hybrids of  
Cyprinus carpio L.

FAO:glk

F

Shmal'gauzen, I.I. (1958) 59-4242  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):426-8

The life cycle of Mesocyclops  
leuckarti Claus (Copepoda, Cyclopoida)

English transl. of 583241. Account of  
development, sexual maturation &  
fertility.

FAO:glk

F



Shmalgauzen, I.I. (1958) 59-4243  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):429-31

Some data on the reproduction of  
tubificids

English transl. of 583242. Field &  
aquarium study of Tubifex albicola  
Mich., Limnodrilus hoffmeisteri Clap.,  
& L. newaensis Mich. found in Rybinsk  
reservoir, with regard to reproductive  
season & duration of embryonal  
development.

FAO:glk

F

Pavlovskii, E.N. (1958) 59-4246  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):438-41

The question of the role of bacterial  
numbers in the development of  
Cladocera in natural conditions

English transl. of 583801. Examination  
of the dependence of biomass &  
composition of cladoceran population  
on total numbers of bacteria in the  
water.

FAO:glk

F

Shmalgauzen, I.I. (1958) 59-4244  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):432-4

Quantitative distribution of mussels  
(Mytilus galloprovincialis Lam.) in the  
northwestern part of the Black Sea

English transl. of 583247. Subdivision  
of the area, density of mussels, depth  
at which they are found & nature of  
bottom.

FAO:glk

MF

Pavlovskii, E.N. (1958) 59-4247  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):442-4

The influence of hydrological  
conditions on concentrations of some  
White Sea herring

English transl. of 583802. Summary of  
the results of studies of the influence  
of external, hydrological factors on  
the seasonal distribution of some White  
Sea herring.

FAO:glk

M

Pavlovskii, E.N. (1958) 59-4245  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):435-7

The diurnal feeding rhythm of the  
copepod crustacean Acartia clausi  
Giesbr.

English transl. of 583249. Direct, full  
24-hour observation of feeding  
activity, with quantitative estimate of  
nutrition by record of amount of ingesta  
& examination of skeletal remains in  
fecal pellets.

FAO:glk

M

Pavlovskii, E.N. (1958) 59-4248  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):484-7

The change in the relative size of fins  
in the ontogenesis and phylogenesis of  
fish

English transl. of 583237. Tabulation  
of fin-length: body-length percentages,  
for fish of different sizes of each of  
several spp., & for different varieties  
of each of several spp., showing,  
generally, inverse relation between  
percentage & size.

FAO:glk

MF



Shmal'gauzen, I.I. (1958) 59-4249  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):488-91

On the dwarf males among the endemic inhabitants of lake Baikal

English transl. of 583238. Data on this morphological sexual differentiation in some gammarids, Amphipoda, & gobies (of the genus Comephorus), & discussion of its evolutionary significance.

FAO:glk

F

Shmal'gauzen, I.I. (1958) 59-4252  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):506-9

The effect of temperature on growth rate and development of chironomid larvae

English transl. of 583807. Growth, duration of development, & heat total necessary for development of various chironomids at various levels of temperature.

FAO:glk

F

Shmal'gauzen, I.I. (1958) 59-4250  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):495-8

On the growth type of chironomid larvae

English transl. of 583803. Growth constants, of the Shmal'gauzen formula, for several spp.

FAO:glk

F

Shmal'gauzen, I.I. (1958) 59-4253  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):510-3

Development and seasonal numerical trends in the larvae of White Sea Limapontia capitata (Müll.) and Tergipes despectus Johnston (Gastropoda, Opisthobranchia)

English transl. of 583808.

FAO:glk

M

Pavlovskii, E.N. (1958) 59-4251  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):503-5

Some characters for the identification of nauplii of three species of rock barnacles of the Barents Sea

Key, based on characteristics of horn & on relation between size of caudal spine & abdominal process for identification of larvae of Balanus balanoides, B. balanus & B. crenatus in the Murman area, with comparison of these forms with those of the Plymouth area. English transl. of 583804.

FAO:glk

M

Pavlovskii, E.N. (1958) 59-4254  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
120(1-6):514-7

An analysis of the fauna of polychaetous worms in the littoral of the Kuril Islands

English transl. of 583810.  
Zoogeographic study.

FAO:glk

M

Markova, T.G. (1958) 59-4255  
Zool.Zh., 37:1801-7  
 Sezonnnye izmeneniia parazitofauny  
 shchuki reki Oki (Seasonal changes  
 of pike parasitofauna of the Oka river).  
 En

Study of composition of parasite fauna  
 on fish, periods of intensive  
 infection & notes on life histories of  
 some parasites.

FAO:tl

F

Iurovitskii, Iu.G. (1958) 59-4258  
Zool.Zh., 37:1861-6  
 O faktorakh opredel'aiushchikh  
 tsislennost sintsa v Rybinskom  
 vodokhranilishche (On the factors  
 determining population density of  
Abramis ballerus L. in the Rybinsk  
 water reservoir). En

Discussion of an increase in the  
 population of Abramis ballerus in the  
 reservoir & conditions favoring its  
 propagation & growth.

FAO:tl

F

Goriachev, P.P. (1958) 59-4256  
Zool.Zh., 37:1808-12  
 Vliianie urovnia razliva reki na  
 protsess razvitiia vozbuditelia  
 opistorkhoza (Influence of the  
 level of the river flood on the  
 development of the opisthorchosis  
 agent). En

Life history of Opisthorchis felineus  
 & the influence of the level of river  
 flood in promoting or preventing the  
 eggs of the parasites getting into  
 water reservoirs.

FAO:tl

F

Voronina, N.M. (1958) 59-4259  
Zool.Zh., 37:1893-6  
 O vliianii vetra na gorizontalkoe  
 raspredelenie zooplanktona (On the  
 problem of wind effect on the  
 horizontal distribution of zooplankton).  
 En

Investigations on the drift of  
 zooplankton organisms in the upper  
 layer of a reservoir caused by wind  
 generated surface currents.

FAO:tl

F

Serbeniuk, Ts.V. & 59-4257  
 Iu.B. Manteifel (1958)  
Zool.Zh., 37:1854-60  
 Nekotorye dannye o fiziologii kozhnykh  
 termoretseptorov ryb (Some data on  
 physiology of thermoreceptors of  
 fishes). En

Study of thermoreceptors by conditioned  
 reflex to local heating of certain  
 areas of the skin surface.

FAO:tl

MF

McCracken, F.D. (1958) 59-4260  
Trade News, 11(3):8-10  
 French trawler methods

Account by Canadian biologist of his  
 voyage on the ZELANDE & the  
 CLAIRVOYANT in NW Atlantic. Methods  
 of cod-fishing; training of crews.

FAO:sjh

M

Anonymous (1958) 59-4261  
Trade News, 11(4):3-5  
Illegal lobster operations

Methods of regulation enforcement on  
Canada's Atlantic coast.

FAO:sjh

M

Anonymous (1958) 59-4264  
Trade News, 11(4):13  
Tattooed salmon

Ill. note on apparatus used to mark  
Pacific salmon.

FAO:sjh

MF

Anonymous (1958) 59-4262  
Trade News, 11(4):6-9  
The department's scientific arm

Account of an "open house" at St.  
Johns Biological Station, Newfoundland,  
at which the aims & methods of  
fisheries research were explained to  
representatives of industry.

FAO:sjh

M

Anonymous (1958) 59-4265  
Trade News, 11(4):13  
Giant lobster

Ill. note on 37 lb Homarus  
americanus caught off New Brunswick by  
diving.

FAO:sjh

M

Anonymous (1958) 59-4263  
Trade News, 11(4):10-2  
Canadian summer fisheries, 1958

Comment on the events of the season  
& the statistixal returns.

FAO:sjh

MF

Anonymous (1958) 59-4266  
Fish. News Lett. Aust., 17(12):5, 11  
Bight's fish wealth to be exploited

Announcement of the formation of a  
company, with government support, to  
trawl in the Great Australian Bight.

GLK:glk

M



Anonymous (1958) 59-4267  
Fish. News Lett. Aust., 17(12):9  
Fisheries production slightly down

Commentary on a summary table of  
production statistics.

GLK:glk

MF

Arnold, E.L., Jr. (1958) 59-4270  
Spec. sci. Rep. U.S. Fish Wildl. Serv.,  
(269):53 p.  
Gulf of Mexico plankton investigations  
1951-53

Description of the cruises & location  
of the stations. Tabulated  
quantitative data on plankton volumes  
& numbers of fish larvae & eggs.

TL:tl

M

Munro, I.S.R. (1958) 59-4268  
Fish. News Lett. Aust., 17(12):17-20  
Handbook of Australian fishes

Continuation of 59-0389, dealing with  
Kurtidae, Coryphaenidae, Bramidae,  
Pteraclidae, Parastromateidae,  
Carangidae.

GLK:glk

MF

Segerstråle, S.G. (1957) 59-4271  
Comment. biol., Helsinki, 16(16):117 p.  
On the immigration of the glacial  
relicts of Northern Europe, with  
remarks on their prehistory

Review of late- & post-glacial history  
of N. Europe; present distribution of  
relicts & immigration history of Phoca  
hispida, Myoxocephalus (Cottus) quadri-  
cornis, Gammaraacanthus lacustris,  
Pallasea quadrispinosa, Pontoporeia  
affinis, Mesidotea entomon, Mysis  
relicta & Limnocalanus macrurus &  
grimaldii.

FAO:tl

MF

Wells, V. (1958) 59-4269  
Fish. News Lett. Aust., 17(12):27  
Surveying Aust. pearling beds

Continuation of 59-0390.

GLK:glk

M

Panelius, S. (1958) 59-4272  
Comment. biol., Helsinki, 18(3):29 p.  
The land and freshwater molluscs of the  
Cap Verde islands

Taxonomic lists with notes on  
taxonomy, distribution, origin, &  
history of the mollusc fauna of the  
islands.

FAO:tl

F

Abe, T. (1957) 59-4273  
Rec.oceanogr.Wks Jap., 4(1):1-6  
A supplementary note on the foaming  
of sea water

Discussion of experimental results in  
relation between the height of foam  
layer, temperature & chlorinity;  
thickness of bubble membrane &  
stability of foam layer.

FAO:tl

M

Hatai, K. & 59-4276  
H. Mii (1957)  
Rec.oceanogr.Wks Jap., 4(1):23-9  
Observations along the southern coast  
of Izu peninsula, Shizuoka prefecture,  
Japan

Morphological description of the  
coast.

FAO:tl

M

Fukuoka, J. (1957) 59-4274  
Rec.oceanogr.Wks Jap., 4(1):7-13  
A note on the westward intensification  
of ocean current

Discussion on the influence of bottom  
topography on the westward  
intensification of ocean current.

FAO:tl

M

Hatai, K. & 59-4277  
H. Mii (1957)  
Rec.oceanogr.Wks Jap., 4(1):30-8  
Preliminary observations along the  
sea coast of Wakayama prefecture,  
Japan

Description of the coast, beach  
deposits, abrasion platform & marine  
terraces.

FAO:tl

M

Yoshida, K. & 59-4275  
M. Tsuchiya (1957)  
Rec.oceanogr.Wks Jap., 4(1):14-22  
Northward flow in lower layers as an  
indicator of coastal upwelling

Theoretical analyses of the influence  
of northward flow on the rise of  
thermocline.

FAO:tl

M

Hatai, K., Y. Funayama 59-4278  
& H. Mii (1957)  
Rec.oceanogr.Wks Jap., 4(1):39-44  
Evidence for an ancient shoreline on  
a marine terrace, west coast of  
Wakayama prefecture, Japan

Contents as per title.

FAO:tl

M

Hatai, K., Y. Funayama & H. Mii (1957) 59-4279  
Rec.oceanogr.Wks Jap., 4(1):45-8  
 A note on the development of certain marine pot-holes along the west coast of Wakayama prefecture, Japan

Contents as per title.

FAO:tl

M

Kurogane, K. & Y. Hiyama (1957) 59-4282  
Rec.oceanogr.Wks Jap., 4(1):67-75  
 Morphometric characteristics of the albacore, Germo germo, from the Northwest Pacific

Relative growth; comparison of morphometric measures of same & different seize of fish & of fish caught with different gear.

FAO:tl

M

Hiyama, Y. & R. Ichikawa (1957) 59-4280  
Rec.oceanogr.Wks Jap., 4(1):49-54  
 A measure on level of strontium-90 concentration in sea water around Japan, at the end of 1956  
 Estimation of the level of Sr<sup>90</sup> in the Pacific ocean, based on the measurement of Sr90 in the bones & shells of marine organisms.

FAO:tl

M

Hidaka, K. (1958) 59-4283  
Rec.oceanogr.Wks Jap., 4(2):77-123  
 Computation of the wind stresses over the oceans  
 Computation of wind stress, using Munk's formula for Pacific, Atlantic & Indian oceans. The wind stress is given in tabulated form for every 5° square, where sufficient wind data were available.

FAO:tl

M

Ichikawa, R. & Y. Hiyama (1957) 59-4281  
Rec.oceanogr.Wks Jap., 4(1):55-66  
 The amount of up-take of strontium by marine fish from the environment of various concentration of calcium and strontium

Results of laboratory experiments on the uptake of strontium & calcium of various concentrations by marine goby Chasmichthys gulosus. Concentrations in different parts of body have been determined in different time intervals.

FAO:tl

M

Hidaka, K. & K. Ogawa (1958) 59-4284  
Rec.oceanogr.Wks Jap., 4(2):124-69  
 On the seasonal variations of surface divergence of the ocean currents in terms of wind stresses over the oceans

Theoretical mathematical discussion of the relations between the wind stresses & the divergence of surface water of the sea. Maps & tabulated data of the distribution of convergence & divergence areas by oceans & seasons & discussion of these maps by areas & seasons.

FAO:tl

M



Teramoto, T. (1958) 59-4285  
Rec.oceanogr.Wks Jap., 4(2):170-85  
Depth determination in oceanographic observations

Critical review of the thermometric depth determination & outline of the determination of sampling depth with underwater inclinometer.

FAO:tl

M

Kurogane, K. & 59-4288  
Y. Hiyaama (1958)  
Rec.oceanogr.Wks Jap., 4(2):200-9  
Morphometric comparison of the albacore from the Northwest, the Equatorial and the Southwest Pacific

Fish from these areas considered to belong to single population, on basis of dimensional comparisons & of migrations & fishing conditions related to oceanographic structure of water masses around 10°S.

FAO:sjh

M

Yoshida, K. (1958) 59-4286  
Rec.oceanogr.Wks Jap., 4(2):186-92  
A study on upwelling

Discussion of the causes & examples of large-scale & coastal upwelling. Estimation of maximum range of vertical displacement.

FAO:tl

M

Anonymous (1959) 59-4289  
Fish.News Lett.Aust., 18(3):5  
Australian catch by states and species

Summary statistics.

GLK:glk

MF

Hiyama, Y. & 59-4287  
F. Yasuda (1958)  
Rec.oceanogr.Wks Jap., 4(2):193-9  
Productivity of plankton-feeders in the off-shore area of Japan

Catches of pelagic spp. off Japan from 1925 to 1955; number of vessels engaged in this fishery & discussions on the changes in fishing effort & standing crop of pelagic fish.

FAO:tl

M

Anonymous (1959) 59-4290  
Fish.News Lett.Aust., 18(3):19, 21  
How electronics help fishing

Notes on echo-sounders, radar, the decca system & direction finding.

GLK:glk

M

Fingerman, M. & 59-4291  
 T. Aoto (1958)  
J.exp.Zool., 138(1):25-50  
 Electrophoretic analysis of chromato-  
 phorotropins in the dwarf crayfish,  
Cambarellus shufeldti

Properties were studied of chromato-  
 phorotropins in the sinus gland ,  
 optic ganglia, & supraesophageal  
 ganglia, & their significance in  
 relation to physiology of color change  
 discussed.

FAO:glk

F

Smith, J.L.B. (1959) 59-4294  
Ichthyol.Bull., (13):185-225  
 Gobioid fishes of the families  
 Gobiidae, Periophthalmidae, Trypau-  
 chenidae, Taenioididae and Kraemeridae  
 of the western Indian ocean

A systematic study containing keys for  
 identification of families, sub-  
 families, genera & spp., &  
 description of genera & spp.

FAO:shr

MF

Rice, T.R. & 59-4292  
 R.J. Smith (1958)  
Fish.Bull., U.S., 58(129):73-82  
 Filtering rates of the hard clam (Venus  
mercenaria) determined with radioactive  
 phytoplankton

Filtering rates of the hard clam, V.  
mercenaria L., were determined by  
 ascertaining the number of radioactive  
 phytoplankton removed from water  
 pumped through the filtering mechanism  
 of the clam.

SJH:trr

MF

Lang, K. (1957) 59-4295  
Contr.Dép.Pêch.Québec, (52):54 p.  
 Tanaidacea from Canada and Alaska

Description of spp. from bay of Fundy,  
 gulf of St. Lawrence & Alaska, with  
 notes on variability, distribution &  
 occurrence.

FAO:glk

M

Haupt, W. (1958) 59-4293  
Publ.biol.Sta., Espeyrend, (24):9 p.  
 Beobachtungen zur Polaritätsinduktion  
 bei keimenden Fucoseiern  
 (Observation on the induction of  
 polarity in germinating zygotes in  
Fucus)  
 Account of investigations on the  
 effect of visible light on induction  
 of polarity in germinating zygotes of  
Fucus vesiculosus. Incl. brief notes on  
 methods applied for experiments &  
 preliminary results obtained. Compares  
 effect of light on Fucus zygotes with  
 that of Equisetum zygotes.  
 GLK:efa M

Western Australia 59-4296  
 Fisheries Department (1959)  
Monthly Service Bulletin, 8(4):45-58

Notes on staff & their activities;  
 issuance of fishing licenses,  
 regulations & legal actions; seasons  
 & results of crayfishery & prawn  
 fishery, information from abroad.

GLK:sjh

M

Petrale (1958) 59-4297  
Pacif. Fisherm.,  
Who wants five million or more  
dogfish sharks?

Note on task of committee set up by  
US Bureau of Commercial Fisheries -  
S.J. Hutchinson, M. Moore & J. Wedin -  
to summarise information about dogfish  
of the west coast of N. America with  
a view to their control.

:sjh

M

Dabagian, N.V. (1959) 59-4300  
C.R. Acad. Sci. U.R.S.S., 125:938-40  
Regulatsionnye svoistva glaz  
zarodyshei osetrovyykh ryb  
(Regulatory properties of the eye in  
the embryos of Acipenseridae)

Annotation to follow.

FAO:

MF

Zhuze, A.P. (1959) 59-4298  
C.R. Acad. Sci. U.R.S.S., 125:891-4  
Diatomovye v donnykh otlozheniyakh  
severozapadnoi chasti Tikhogo okeana  
(Diatomaceae in bottom deposits in the  
north-western part of the Pacific)

Annotation to follow.

FAO:

M

Kostomarova, A.A. (1959) 59-4301  
C.R. Acad. Sci. U.R.S.S., 125:941-4  
Razvitie kishechnika kul'turnogo karp  
pri kormlenii i golodanii na etape  
smeshanogo pitaniia (The  
development of intestine in cultural  
carpio curing feeding and starvation  
in the stage of mixed nourishment)

Annotation to follow.

FAO:

F

Rott, N.W. (1959) 59-4299  
C.R. Acad. Sci. U.R.S.S., 125:917-20  
Deistvie kolkhitsina na obluchennykh  
zarodyshei v'iuna Misgurnus fossilis  
(The effect of colchicine upon  
irradiated Misgurnus fossilis embryos)

Annotation to follow.

FAO:

Reznichenko, P.N. & 59-4302  
Yu.G. Iurovitskii (1959)  
C.R. Acad. Sci. U.R.S.S., 125:949-52  
Ektoermal'nye resnichki zarodyshei,  
lichinok i mal'kov kurinskogo osetra  
i ikh fiziologicheskoe znachenie  
(Ectodermal cilia of embryos, larvae  
and young in the Cura Acipenser, and  
their physiological rôle)

Annotation to follow.

FAO:

MF



Kuenen, Ph.H. (1959) 59-4303  
Amer.J.Sci., 257:172-90  
Experimental abrasion - 3. Fluvial  
action of sand

Former experiments by the author dealt with pebble sizes down to 1 cm. The present investigation extends to sizes of 0.4 mm. The mechanism was again that of a current in a circular channel of concrete, but additional tests were made in revolving cylinders; limestone, feldspar, & mainly quartz were used.

FAO:phk

F

Caldwell, P.C. (1957) 59-4306  
Biochem.J., 67:1p-2p  
The sensitivity to pH of the inhibitory effects of dinotrophenol on squid giant axons

Brief report of experimental work on Loligo forbesi emphasising the importance of controlling pH in work in which DNP is used as an inhibitor. (Proc.biochem.Soc., (364) ).

FAO:glk

M

Wolman, M.G. (1959) 59-4304  
Amer.J.Sci., 257:204-16  
Factors influencing erosion of a cohesive river bank

Describes method of measurements & results obtained in a study of a small Maryland stream.

FAO:wad

F

Kerly, M. & D.H. Leaback (1957) 59-4307  
Biochem.J., 67:250-2  
The hexose specificity of hexokinase in brain from various species

Experiments to demonstrate the existence of the enzyme in Sepia officinalis (squid), Scyllium canicula, Raja brachyura, Seopthalmus maximus, & Gadus merangulus.

FAO:glk

M

Whitcutt, J.M. (1957) 59-4305  
Biochem.J., 67:60-4  
South African pilchard oil - 6. The isolation and structure of a docosahexaenoic acid from South African pilchard oil

Description of the method of isolation of the acid from the oil of Sardina ocellata Jenyns & of the properties & structure of the acid.

FAO:glk

M

Anonymous (1958) 59-4308  
Trade News, 11(1):3-6  
New management concepts needed in Atlantic fisheries

Account of 8th annual ICNAF meeting in Halifax, summarizing recommendations of committees for future research & fully co-ordinated commission programme.

FAO:efa

M

Anonymous (1958) 59-4309  
Trade News, 11(1):9-10  
Unique transfer project

Transplantation of Salmo salar run  
from Rattling Brook, NE Newfoundland,  
to another stream. Note on the  
initial survey & methods used thus  
to ameliorate effects of hydroelectric  
development.

FAO:sjh

MF

Papenfuss, G.F. (1958) 59-4312  
In 'Fifty Years of Botany', by  
W.C. Steere (Ed.), McGraw-Hill Book  
Co., 1958, 554-69  
Progress and outstanding  
achievements in phycology during the  
past fifty years

MF

Anonymous (1958) 59-4310  
Trade News, 11(1):11-2  
Canadian fishing season, 1957-58

Comment on statistical returns &  
general events.

FAO:sjh

MF

Papenfuss, G.F. & 59-4313  
L.E. Egerod (1957)  
Phytomorphology, 7:82-93  
Notes on South African marine  
Chlorophyceae

M

Papenfuss, G.F. (1957) 59-4311  
Amer.J.Bot., 44:74-81  
Progress and outstanding achievements  
in phycology during the past fifty  
years

MF

Papenfuss, G.F. (1958) 59-4314  
Taxon, 7:104-9  
Notes on algal nomenclature - IV.  
Various genera and species of  
Chlorophyceae, Phaeophyceae and  
Rhodophyceae

MF

Okaichi, T., H. Kai 59-4315  
 & Y. Hashimoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:389-93  
 (A rapid color change in the filefish).  
Ni En

Observations on social behaviour of  
Stephanolepis cirrhiifer & Rudarius  
ercedes in aquaria.

SJH:sjh

M

Matsui, Y. (1958) 59-4318  
Bull.Jap.Soc.sci.Fish., 24:402-6  
 (On the formation theories of pearl).  
Ni En

Historical study. Formation of pearl  
 by various causes; induction of this  
 process.

SJH:sjh

M

Shiino, S.M. (1958) 59-4316  
Bull.Jap.Soc.sci.Fish., 24:394-7  
 Uber drei Arten von der parasitischen  
 Copepodengattung, Cardiodes aus  
 Japan (On three species of the  
 parasitic copepod genera Cardiodes  
 from Japan)

Taxonomic description of one known  
 & 2 new spp.

SJH:tl

M

Iitaka, Y. (1958) 59-4319  
Bull.Jap.Soc.sci.Fish., 24:407-10  
 (Model experiments on the sardine  
 purse seine operating in Hyuganada -  
 VI.). Ni En

Field experiment to compare a 1/10  
 scale with a 1/250 model to see if  
 Tauti's law is tenable for the latter  
 gave positive conclusion. Study of  
 bottom margin of net during pursing,  
 using new depth meter & chemical  
 tubes. Ill.

SJH:sjh

M

Iwasaki, H. & 59-4317  
 C. Matsudaira (1958)  
Bull.Jap.Soc.sci.Fish., 24:398-401  
 (Culture of a laver, Porphyra tenera  
 Kjellm - I. Preliminary research on  
 cultural conditions). Ni En

Experimental study of physical &  
 chemical factors necessary for early  
 development of buds. Effects of light  
 intensity, quality & period; nitrogen,  
 phosphorus, & iron requirements.

SJH:sjh

M

Uchida, K. & 59-4320  
 Y. Shojima (1958)  
Bull.Jap.Soc.sci.Fish., 24:411-5  
 (Studies on the larvae and juveniles  
 of fishes accompanying floating algae -  
 I. Research in the vicinity of  
 Tsuyazaki, during Mar., 1957-Mar.,  
 1958). Ni En

Season occurrences of Sebastes,  
Enedrias, Seriola, Dasson & Girella  
 spp.

SJH:sjh

M



Kobayasi, H. & T. Hayasi (1958) 59-4321  
Bull.Jap.Soc.sci.Fish., 24:416-21  
(Preliminary studies on scale arrangement of Japanese fishes).  
Ni En

Ill. description & classification of types of arrangement, & its relation to taxonomic position, based on study of 101 fish spp.

SJH:sjh

MF

Kodama, Y. (1958) 59-4324  
Bull.Jap.Soc.sci.Fish., 24:435-40  
(Studies on the specific growth of freshwater fishes referring to the weight increase of individual and population - I. Variation of the specific growth and the relation between the average and the individual specific growth by a small population of the brown trout (Salmo trutta L.) reared in pond). Ni En

Comparison with results for rainbow trout.

SJH:sjh

F

Wada, K. (1958) 59-4322  
Bull.Jap.Soc.sci.Fish., 24:422-7  
The crystalline structure on the nacre of pearl oyster shell

Ill. report on X-ray diffraction study of Pinctada martensii from Ago bay pearl farm.

SJH:sjh

M

Miyamura, M. & T. Makido (1958) 59-4325  
Bull.Jap.Soc.sci.Fish., 24:441-4  
(Quality of the pearl examined in association with the graft tissues taken from various parts of the mantle). Ni En

Aim of the present experiments on Pinctada martensii was to examine whether or not anatomical parts of the mantle from which graft tissues had been taken would have any effect on the quality of the pearl developed later in the body.

SJH:mmm

M

Onodera, K. (1958) 59-4323  
Bull.Jap.Soc.sci.Fish., 24:428-34  
(On the survival of trout fingerlings stocked in a mountain brook - I. The estimation of survival rate by observation). Ni En

Concept & application of method depending on determination of "discovery rate" by visual counting - using a submerged window - in sample pools before & after intensive seining.

SJH:sjh

F

Nishiwaki, M. & T. Kamiya (1958) 59-4326  
Bull.Jap.Soc.sci.Fish., 24:445-8  
(A beaked whale Mesoplodon stranded at Oiso beach, Japan). Ni En

Japanese version of 59-1494. Study of skull, vertebrae & chevrons led to formation of a key to spp. of the genus, & assignment of this specimen obtained 22/9/57 to a new sp., M. ginkgodens, to which also belongs the specimen reported in 1935 & called then M. densirostris. Morphometric data & ill. are given, but study will

59-4326  
(Card 2)  
be reported in full in Sci.Rep.  
Whales Res.Inst., (13).

SJH:sjh

M

Doi, T. (1958) 59-4330  
Bull.Jap.Soc.sci.Fish., 24:462-5  
(On the availability of the sardine  
Sardinops melanosticta population  
caught by drift gill nets in the  
western Japan Sea). Ni En

Use of analogue computer to compare  
actual & theoretical catches as a  
method of estimating variations in  
availability.

SJH:sjh

M

Takahashi, M. & 59-4328  
M. Hatanaka (1958)  
Bull.Jap.Soc.sci.Fish., 24:449-55  
(Experimental studies on the utilization  
of food by young mackerel,  
Pneumatophorus japonicus (Houttuyn)  
(continued) ). Ni En

Tank rearing experiments, specimens  
being fed with known amounts of anchovy  
& Euphausiids & growth measured.  
Anabolic rates as function of  
temperature, food type, fish size.

SJH:sjh

M

Hiyama, Y., T. Kusaka 59-4331  
& Y. Yamashita (1958)  
Bull.Jap.Soc.sci.Fish., 24:466-8  
(Fishing effects of a model lift nets,  
regard on relation between mesh size  
and fish length). Ni En

Tank experiments on selectivity of a  
simple net model for Cyprinus carpio  
of various sizes & at different  
densities. Effect of hauling speed  
of net.

SJH:sjh

F

Sagara, J. & 59-4329  
M. Yanase (1958)  
Bull.Jap.Soc.sci.Fish., 24:456-61  
(Vitamin B<sub>12</sub> as a factor in the  
environment of bivalves - I. Seasonal  
and environmental variation of vitamin  
B<sub>12</sub> content in Tapes japonica and  
Meretrix meretrix lusoria). Ni En

Relation of vitamin content, as  
determined by Euglena method, to  
spawning condition, distance from coast,  
culture method used; spp. differences;  
vitamin content of sandy bottom;  
zooplankton (Copepoda) & phytoplankton  
(Coscinodiscus & Thalassiothrix spp.).

SJH:sjh

M

Kawada, S. & 59-4332  
Y. Tawara (1958)  
Bull.Jap.Soc.sci.Fish., 24:469-74  
(An attempt for detecting the  
swimming course of fish schools at a  
set net fishing ground by fish finder  
(Preliminary report) ). Ni En

Experiments in Xoshihama Bay, Nov.-  
Dec., 1954, using 2 survey boats  
equipped with vertical sounders.

SJH:sjh

M

Fujita, S. (1958) 59-4333  
Bull.Jap.Soc.sci.Fish., 24:475-9  
 (On the egg development and larval stages of a viviparous scorpaenid fish, Sebastes oblongus Günther). Ni En

Ill. account of study of specimens reared in aquarium.

SJH:sjh

M

Kurogane, K. & 59-4336  
 Y. Hiyama (1958)  
Bull.Jap.Soc.sci.Fish., 24:487-94  
 Morphometric comparison of the yellowfin tuna from six grounds in the Indian ocean

Analysis of measurements of 168 specimens collected since 1955.

SJH:sjh

M

Suzuki, O. (1958) 59-4334  
Bull.Jap.Soc.sci.Fish., 24:480-3  
 On the model experiment of the British Columbia mid-water trawl - I.

Reports series of experiments with 1/40 model to find relation between extent of net mouth & towing speed & to determine hydrodynamic characteristics of the dual fin otter boards.

SJH:sjh

M

Nakamura, N. (1958) 59-4337  
Bull.Jap.Soc.sci.Fish., 24:495-500  
 (On the seasonal variation of chlor content, transparency and water-color of water of the eel-culture ponds in Tokai district, in relation to the particle size of phytoplankton). Ni En

Results given were obtained by using a new disc apparatus to measure transparency & the Munsell Colour System to specify water color.

SJH:sjh

F

Saito, Y. (1958) 59-4335  
Bull.Jap.Soc.sci.Fish., 24:484-6  
 (An ecological study of Undaria pinnatifida Sur. - III. On the effects of light-intensity and water-temperature upon the rate of photosynthesis - 1). Ni En

Effect on photosynthetic rate, as measured by oxygen formation, of light intensity & water temperature, determined experimentally.

SJH:sjh

M

Inoue, N. & al. (1958) 59-4338  
Bull.Jap.Soc.sci.Fish., 24:501-6  
 (Studies on the visual range of net twines in water - I. On the relation between the visual range of net twines and the turbidity of surrounding water). Ni En

Experimental observation of twines of various colours & diameters. Theory of analysis of data; ill. description of apparatus devised.

SJH:sjh

G



Imai, T. & al. (1958) 59-4339  
Bull.Jap.Soc.sci.Fish., 24:507-10.  
(Studies on drill control in oyster  
beds - I. Test of copper as a barrier  
for Japanese drill, Tritonalia japonica).  
Ni En

Copper plate & paints were tested for  
efficacy against this sp. & also  
Rapana thomasi & Thais tumulsa.

SJH:sjh

II

Sano, Y. & 59-4342

K. Hashimoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:519-23  
(Studies on the discoloration in fish  
meat during freezing storage - I. A  
spectrophotometric method for the  
simultaneous determination of ferrous  
and ferric forms of myoglobin in their  
mixed solution). Ni En

SJH:x

Katayama, T. (1958) 59-4340  
Bull.Jap.Soc.sci.Fish., 24:511-4  
Chemical significance of the volatile  
components of spices in the food  
preservative viewpoint - I. On the  
volatile component of Xanthoxylum  
piperitum

SJH:x

Noguchi, E. & 59-4343  
J. Yamamoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:524-30  
(Availability of hinokitiol for the  
preservation of fish). Ni En

SJH:x

Suzuki, K. (1958) 59-4341  
Bull.Jap.Soc.sci.Fish., 24:515-8  
(Preparation of a coating material by  
chlorination of fish oil - III. On the  
fire-retardant property of the product).  
Ni En

SJH:x

Saito, K. (1958) 59-4344  
Bull.Jap.Soc.sci.Fish., 24:531-4  
(Biochemical studies on the fish  
blood - XIII. On the electrophoretic  
specificity of serum lipoprotein and  
glucoprotein). Ni En

SJH:x

Nagasawa, Y. (1958) 59-4345  
Bull.Jap.Soc.sci.Fish., 24:535-40  
Studies on the "browning" of canned crab  
meat (Paralithodes mactschatica Til.) -  
I. The difference in the chemical  
composition of normal and browned  
canned crab meat

SJH:x

Kikuchi, T. & al. (1958) 59-4348  
Bull.Jap.Soc.sci.Fish., 24:551-4  
(Polarographic studies of protein  
contained in aquatic animal detection  
of typical protein waves). Ni En

SJH:x

Sato, Y., R. Iwamatsu 59-4346  
& M. Takahashi (1958)  
Bull.Jap.Soc.sci.Fish., 24:541-4  
(Examination on the freshness of  
marketing fish in summer in Sendai).  
Ni En

SJH:x

Kanemitsu, T. & 59-4349  
H. Aoe (1958)  
Bull.Jap.Soc.sci.Fish., 24:555-8  
(On the studies of carotenoids of the  
salmon - II. Determination of muscle  
pigment). Ni En

SJH:x

Okamura, K., T. Matuda 59-4347  
& M. Yokoyama (1958)  
Bull.Jap.Soc.sci.Fish., 24:545-50  
(Studies on the action of phosphates in  
"Kamaboko" and fish sausage products -  
I. Various effects of phosphate on  
qualities of "Kamaboko", fish cake).  
Ni En

SJH:x

Ueno, S., T. Hasimoto 59-4350  
W. Simidu (1958)  
Bull.Jap.Soc.sci.Fish., 24:559-62  
(Studies on fish sausage - III. On some  
physico-chemical properties of a film  
of the Ryphan (rubber hydrochloride)  
and the Krehalon (polyvinyliden  
chloride) used as the casings of fish  
sausage). Ni En

SJH:x

Konosu, S., K. Hashimoto 59-4351  
& F. Matsuura (1958)  
Bull.Jap.Soc.sci.Fish., 24:563-6  
(Chemical studies on the red muscle  
("Chiai") of fishes - XI. Amino acid  
composition of tuna myoglobin).  
Ni En

SJH:x

Kanazawa, A. & 59-4354  
D. Kakimoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:573-7  
(Studies on the vitamins of seaweeds -  
I. Folic acid and folinic acid).  
Ni En

SJH:x

Yamanishi, T. & 59-4352  
Y. Kajikawa (1958)  
Bull.Jap.Soc.sci.Fish., 24:567-8  
(Studies on the characteristic odor of  
squid - V. On the unpleasant odorous  
acid of rain spoilt dried-squid (II) ).  
Ni En

SJH:x

Saiki, M., S. Fang 59-4355  
& T. Mori (1958)  
Bull.Jap.Soc.sci.Fish., 24:578-80  
(Studies on the whale oil - XIII. The  
composition of fatty alcohols in the  
Pacific beaked whale blubber oil).  
Ni En

SJH:x

Zama, K., M. Katada 59-4353  
& H. Igarashi (1958)  
Bull.Jap.Soc.sci.Fish., 24:569-72  
(Egg lipids of a salmon, Oncorhynchus  
keta - I. Fatty oils from salmon eggs).  
Ni En

SJH:x

Tomiyaama, T. & 59-4356  
T. Sugitani (1958)  
Bull.Jap.Soc.sci.Fish., 24:581-5  
(Effectiveness of tetracyclines  
treatment on quality improvement of  
processed foods - I. Effect of  
chlortetracycline (CTC) treatment on  
quality of salt sardine and salt  
mackerel, and change in CTC residue  
during salting). Ni En

SJH:x



Simidu, U., H. Terashima 59-4357  
& W. Simidu (1958)  
Bull.Jap.Soc.sci.Fish., 24:586-90  
Studies on muscle of aquatic animals -  
XXXIX. Changes in muscle of yellowtail  
(Seriola quinqueradiata) during cold  
storage

SJH:x

Kang-Hou, L. & 59-4360  
L. Jien (1958)  
Oceanol.Limnol.sinica, 1:316-24  
(Studies on prevention and  
extermination of mussel growths in  
pipelines). Ch En

Experiments on Mytilus edulis control  
by sand filtration, poisoning with  
arsenic trioxide & treatment with  
chlorinated lime.

FAO:sjh

M

Kashiwada, K. & al. (1958) 59-4358  
Bull.Jap.Soc.sci.Fish., 24:591-600  
(Studies on vitamin B<sub>12</sub> in sea water -  
IV. Electrodialysis of sea water and the  
stability of vitamin B<sub>12</sub> in sea water).  
Ni En

SJH:x

Chu, Y.T. (1958) 59-4361  
Oceanol.Limnol.sinica, 1:325-36  
(A review of the resources of the  
elasmobranchiate fishes of China,  
with discussions on the problems of  
their utilization). Ch En

The 1st part is introductory, dealing  
briefly with the characteristics,  
geographic distribution, life &  
habits, & methods of reproduction of  
the elasmobranchiate fishes in  
general. The 2nd part is a  
comprehensive review of the elasmobranchiate  
fishes under principal  
divisions as follows: Notidanoids,

University of Florida 59-4359  
State Museum (1959)  
Gainesville, 20 p.  
Report of the director of the Florida  
State Museum for 1957-58

Lists staff, describes activities of  
Dep. of Natural Sciences relating to  
fishes, amphibians & aquatic reptiles  
& mammals.

FiB:sjh

59-4361  
(Card 2)  
Heterodontoids, Scyliorhinidae,  
Orectolobidae, Rhincodontidae,  
Galeoids, Squaloids, Raidae,  
Dasyatidae, Myliobatidae, Rhinopte-  
ridae, Mobulidae, Chimaeridae.  
Discusses utilization problems,  
fishing method improvement, transport,  
administration of fisheries, need for  
further resource survey.

FAO:sjh

M

Anonymous (1958) 59-4363  
Int.hydr.Rev., 35(1):9-10  
 Nouveaux navires hydrographes  
 brésiliens (New Brazilian hydro-  
 graphic vessels)

Lists the characteristics of the  
 vessels & gives plans & photographs.

FAO:hr

M

Balay, M.A. (1958) 59-4366  
Int.hydr.Rev., 35(1):129-58  
 Variations saisonnières du niveau  
 moyen de la mer Argentine  
 (Seasonal variation of the mean sea  
 level of the Argentine sea)

A report on seasonal variations &  
 their causes.

FAO:hr

M

Verstelle, J.Th. (1958) 59-4364  
Int.hydr.Rev., 35(1):41-89  
 Emploi du navigateur Decca en Nouvelle-  
 Guinée pour l'hydrographie et comme  
 reseau géodesique (Use of the Decca  
 navigator in New Guinea for hydrography  
 and geodesic tracing)

Discusses the problems confronted  
 during the installation & calculation  
 of tracings by the Decca equipment during  
 the survey of the sea of Arafura.

FAO:hr

M

Jordan, G.F. (1958) 59-4367  
Int.hydr.Rev., 35(1):159-70  
 Dorsale sous-marine Pamplona 1779-  
 1957 (Submarine ridge Pamplona  
 1779-1957)

A study of the ridge off the coast  
 of Alaska with considerations on  
 its discovery & previous  
 investigations.

FAO:hr

M

Rossiter, J.R. (1958) 59-4365  
Int.hydr.Rev., 35(1):117-27  
 Note sur les méthodes de détermination  
 des valeurs mensuelles et annuelles du  
 niveau moyen (Note on the methods of  
 determination of the monthly and yearly  
 values of the mean sea level)

An evaluation of application of  
 methods to eliminate the effects of  
 astronomic tides generating forces in  
 calculating the mean sea level.

FAO:hr

M

Anonymous (1958) 59-4368  
Int.hydr.Rev., 35(1):171-4  
 Traduction française de la nomenclature  
 des formes du terrain océanique  
 (French translation of nomenclature  
 of ocean bottom features)

Nomenclature & definitions in English  
 & French of ocean bottom features.

FAO:hr

M

Balchin, W.G.V. (1958) 59-4369  
Geogr.J., 24:476-93  
A water use survey

Discusses the question of water-demand & -use with specific reference to Great Britain & together with the discussion, contains material on the computing claims of various interests, incl. fisheries, upon the water resources of any drainage basin.

FAO:wad

Farmanfarmaian, A. & al.(1958) 59-4372  
J.exp.Zool., 138:355-67  
Annual reproductive cycles in four species of west coast starfishes

Ratio of volume of gonad to weight of body determined on samples of Patiria miniata, Pisaster ochraceus, P. giganteus & P. brevispinus collected at each monthly low tide.

FAO:glk

M

Roberts, E. & al. (1958) 59-4370  
J.exp.Zool., 138:313-25  
Distribution of  $\gamma$ -aminobutyric acid and other amino acids in nervous tissue of various species

Paper chromatographic studies have been made of the distribution of  $\gamma$ -aminobutyric acid & other amino acids in the brains of various spp., incl. of Pacific mackerel.

FAO:er

M

Anonymous (1959) 59-4373  
S.Afr.Shipp.News Fish.Ind.Res., 14(1): 57  
Fishing industry develops in central Tanganyika

Notes on fisheries for catfish, tilapia & lungfish.

FAO:wad

F

Baker, K.F. (1958) 59-4371  
J.exp.Zool., 138:329-51  
Heterotopic thyroid tissues in fishes

Experiments to determine the effect of iodide treatment on heterotopic thyroid tissue in both normal developing Xiphophorus maculatus, & mature fish with normal thyroid tumors.

FAO:glk

F

Anonymous (1959) 59-4374  
Idaho Wildl.Rev., 11(4):12  
Helicopter used to plant trout

Brief description of use in Idaho in 1958 (?).

WAD:wad

F



Gangmark, H.A. & 59-4375  
R.G. Bakkala (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(261):20 p.

Plastic standpipe for sampling  
streambed environment of salmon spawn

Describes the design & use of a stand-  
pipe used at Mill Creek, California;  
an access tube through which the  
quantity of oxygen in the ground-water  
& the rate of flow of water in the  
gravel of a stream may be tested; gives  
comparisons of rate of flow & amounts  
of dissolved oxygen with the survival

Fabricius, E. & 59-4378  
K.-J. Gustafson (1959)  
Svensk FiskTidskr., 68(1-2):6-13  
Gäddans och abborrens lekbetaende  
(Spawning behaviour of pike and perch)

Description of mating & spawning  
behaviour of males & females as  
observed in the aquarium & in nature.

FAO:tl

F

59-4375  
(Card 2)  
of king salmon, Oncorhynchus  
tshawytscha, eggs.

Lindroth, A. (1959) 59-4379  
Svensk FiskTidskr., 68(1-2):13-5  
Fiskefrågor på internationella  
naturvårdskongressen (Fisheries  
problems on international meeting for  
protection of the nature)

Review of fisheries problems  
discussed on IUCN meeting in Athen.

GLK:wad

NF

FAO:tl

F

Anonymous (1959) 59-4377  
Trade News, 11(9):5-7, 9  
Canada's shellfish resources

This article is taken from a report  
by J.C. Medcof. Reviews prospects for  
production & marketing of Placopecten  
magellanicus, Crassostrea virginica,  
Mya arenaria, Mercenaria mercenaria,  
Spisula solidissima, Illex illecebrosus,  
Mytilus edulis, Littorina littorea,  
with brief notes on unused spp. with  
commercial possibilities. Incl. notes  
on investigations to make fuller use of  
native spp. & trials with promising  
exotic spp.

FAO:efa

MF

Scripps Institution of 59-4380  
Oceanography.Univ.of California (1958)  
Berkeley, 18 p.  
Scripps Tuna oceanography research  
(STOR) program quarterly progress  
report no. 5

Progress in the analysis of data from  
field operations, in the improvement of  
instrumentation & evaluation of data,  
& in the assembly, & installation of  
monitoring stations; with announcement  
of purposes of cruises, & list of  
publications accepted for publication.

GLK:glk

M

Laborel, J. & J. Vacelet (1959) 59-4381  
C.R.Acad.Sci., Paris, 248:2619-21  
 Les grottes sous-marine obscures en Méditerranée (Dark submarine caves in the Mediterranean)

Zonation of the fauna of such biotopes in both E. & W. Mediterranean.

FAO:sjh

M

Tinturier-Hamelin, E. (1959) 59-4384  
C.R.Acad.Sci., Paris, 248:2660-2  
 La détermination du sexe chez Idotea baltica basteri Audouin (Isopode valvifère). Premiers résultats d'une étude génétique (Sex determination in Idotea baltica basteri Audouin, valviferous isopod. First results of a genetic study)

Breeding experiments on mutations of the Mediterranean phenotype albus fuscus.

FAO:sjh

M

Vernet-Cornubert, G. (1959) 59-4382  
C.R.Acad.Sci., Paris, 248:2649-51  
 Note préliminaire sur l'influence de l'ablation des pédoncules oculaires sur la mue de l'oxyrhynque Pisa tetraodon (Pennant) (Preliminary note on the effect of removing the ocular peduncles on the moulting of the oxyrhynch Pisa tetraodon Pennant)

Reports experiments on both sexes; comparison of results with those on Carcinus maenas & Maia squinado.

FAO:sjh

M

Beretzky, P. & al. (1958) 59-4385  
Acta Univ.Szeged (Biol.), 4:203-35  
 Das Leben der Tisza - IV. Die Tierwelt der Tisza auf Grund neuerer Sammlungen und Beobachtungen (The life in the Tisza - IV. The fauna of the Tisza from the recent bottom collections and observations)

A check list of the fauna of this Hungarian river.

FAO:efa

F

Demeusy, N. (1959) 59-4383  
C.R.Acad.Sci., Paris, 248:2652-4  
 Pédoncules oculaires, glande de mue et appareil génital chez Carcinus maenas L. (Ocular peduncles, moult gland & genital system of Carcinus maenas L.)

Mutilation experiments on crabs from Roscoff area.

FAO:sjh

M

Monakov, A.V. & Iu.I. Sorokin, (1959) 59-4386  
C.R.Acad.Sci.U.R.S.S., 125:201-4  
 Opyty izucheniia khnishchnogo pitaniia tsiklopov s pomoshch'iu izotopnoi metodiki (An attempt to investigate the predatory behaviour of cyclopes with the aid of the isotopic tracer method)

Annotation to follow.

FAO:

F

Crisp, D.J. (1959) 59-4387  
Geogr.J., 125(1):1-19  
The influence of climatic changes on  
animals and plants

A review paper with section on marine  
animals; many charts & large biblio-  
graphy, followed by report of  
discussion in which the author, the  
President (J. Marshall-Cornwall), G.  
Manley, & R.F.M. Hay participated. Sea  
& air temperature changes from 1902-50  
are given & the northward displacement  
of distribution boundaries of fish &  
intertidal animals are discussed.

FAO:tl

M

Holdgate, M. (1958) 59-4390  
Macmillan, London, 222 p.  
Mountains in the sea

Story of exploration of & around  
Gough Is. in the S. Atlantic.  
Refs. to seals & sea elephant  
colonies.

:sjh

M

Gay, P.A. & 59-4388  
L. Berry (1959)  
Geogr.J., 125(1):89-91  
The water hyacinth: a new problem on  
the Nile

Local history of the spread of the  
floating plant Eichhornia crassipes  
& its influence on the communications  
on the river, on fisheries & on the  
use of water for irrigation.

FAO:tl

F

Miller, J. (1958) 59-4391  
Jarrolds, London, 160 p.  
Of fish and men

Ichthyologists' account of travels  
to various countries on behalf of  
London Zoological Society; reference  
to "fish-farming" possibilities  
in the sea.

:sjh

MF

Outhwaite, L. (1958) 59-4389  
Coward-McCann, London, 480 p.  
The Atlantic

Incl. history of shipbuilding,  
exploration, whaling etc. in the region.

:sjh

M

Beliaeva, V.N. (1959) 59-4392  
C.R.Acad.Sci.U.R.S.S., 125:443-5  
Dykhane sazana Cyprinus carpio L.  
na rannikh etapakh razvitiia  
(The respiration of Cyprinus carpio L.  
at early development stages)

Annotation to follow.

FAO:

F



Robins, C.R. (1958) 59-4393  
Educ.Ser.Fla Bd Conserv., (12):46 p.  
Checklist of the game and commercial  
marine fishes of Florida and the West  
Indies with a standardization of  
common names

Lists families arranged in systematic  
order, spp., scientific names followed  
by their recommended & other common  
names. Gives general distribution of  
every sp.

FAO:hr

MF

Braarud, T., K.R. Gaarder 59-4396  
& O. Nordli (1958)  
Fiskeridir.Skr.Havundersøk., 12(3):77 p  
Seasonal changes in the phytoplankton  
at various points off the Norwegian  
west coast

Description of some seasonal changes  
of phytoplankton populations in 4  
localities off the Norwegian coast &  
notes on some environmental factors  
which might influence the annual  
phytoplankton cycles.

GLK:tl

M

Outram, D.N. (1958) 59-4394  
Circ.biol.Sta.Nanaimo, (50):13 p.  
The 1958 herring spawn deposition in  
British Columbia coastal waters

Forth. in an annual series of  
circulars on this subject to inform  
industry of status of Clupea pallasii  
stocks. Census results reported by area  
& date.

FAO:sjh

M

Lisitzin, E. (1958) 59-4397  
Merentutkimuslait.Julk., (180):102 p.  
Vedenkorkeusarvoja 1955 ja 1956  
(Water level records for the years  
1955 and 1956). Su Sv En

Location of mareographs & water level  
gauges; notes on methods of  
observations & tabulated sea level  
data on the coast of Finland during  
1955 & 1956.

FAO:tl

MF

Chipman, W.A., T.R. Rice 59-4395  
& T.J. Price (1958)  
Fish.Bull., U.S., 58(135):279-92  
Uptake and accumulation of radioactive  
zinc by marine plankton, fish, and  
shellfish

Zinc content of sea water & shellfish;  
toxicity of zinc on phytoplankton, rate  
of uptake & loss of zinc by phyto-  
plankton, shellfish & fish, its  
distribution in the bodies of shellfish  
& fish, & retention of radioactive zinc  
in the fish body.

SJH:tl

II

Hela, I. (1958) 59-4398  
Merentutkimuslait.Julk., (181):37  
Sea level records for the years 1887-  
1896 at Hanko (Hangö) (59°49'N.,  
22°58'E.)

Tabulated sea level data.

FAO:tl

MF

Lisitzin, E. (1958) 59-4399  
Merentutkimuslait.Julk., (184):59 p.  
Vedenkorkeusarvoja 1957 (Water level  
 records for the year 1957).  
 Su Sv En

Location of mareographs & water level  
 gauges; notes on methods of  
 observations & tabulated sea level data  
 on the coast of Finland during 1957.

FAO:tl

MF

India. Ministry of Food 59-4402  
 & Agriculture (1957)  
Indian Fisheries Bulletin, 4(3):40 p.

Detailed summary & reports on marine  
 & inland fisheries developments in  
 India & elsewhere. Biological,  
 technological & sociological studies  
 in progress, technical assistance  
 projects.

FAO:sjh

MF

Purasjoki, K.J. (1958) 59-4400  
Ann.zool.Soc.zool.-bot.fenn.Vanamo,  
 19(2):117 p.

Zur Biologie der Brackwasserkladozere  
Bosmina coregoni maritima (P.E.Müller)  
 (Biology of the brackish-water  
 cladoceran Bosmina coregoni maritima  
 P.E. Müller). En

Taxonomy of Basmines; form-analytical  
 study of populations from different  
 locations; ecology of the sp.; local &  
 seasonal occurrence & variations in  
 abundance; propagation; seasonal  
 occurrence of resting eggs & their

India. Ministry of Food 59-4403  
 & Agriculture (1957)  
Indian Fisheries Bulletin, 4(4):41 p.

Detailed summary & reports on marine  
 & inland fisheries developments in  
 India & elsewhere. Biological,  
 technological & sociological studies  
 in progress, technical assistance  
 projects.

FAO:tl

MF

59-4400  
 (Card 2)

development. (issued as:  
Merentutkimuslait.Julk., (182) )

FAO:tl

MF

Anonymous (1959) 59-4404  
Unesco Chron., 5:72-5  
 Natural sciences - International  
 oceanographic vessels and the  
 development of marine sciences

Note on some of the background to the  
 Unesco intergovernmental meeting on  
 international oceanographic vessels &  
 the development of marine sciences.

FAO:glk

M

Gusev, A.V. & 59-4405  
 F.A. Pasternak (1958)  
C.R.Acad.Sci.U.R.S.S., 123:841-4  
 Nekotorye zamechaniia o donnoi faune  
 antarkticheskikh vod (Some remarks  
 concerning the bottom fauna of  
 Antarctic waters)

Annotation to follow.

FAO:

M

Muromtsev, A.M. (1958) 59-4408  
C.R.Acad.Sci.U.R.S.S., 123:1014-7  
 Plotnost' vody na poverkhnosti  
 Indiiskogo okeana (Water density  
 on the surface of the Indian ocean)

Annotation to follow.

FAO:

M

Kriss, A.E., V.I. Biriuzova 59-4406  
 & A.N. Lebedeva (1958)  
C.R.Acad.Sci.U.R.S.S., 123:845-C  
 Morfologicheskaiia kharakteristika  
 mikrobnogo naseleniia morei i okeanov  
 (A morphological description of the  
 microbial population of seas and  
 oceans)

Annotation to follow.

FAO:

M

Polenov, A.L. & 59-4409  
 I.A. Barannikova (1958)  
C.R.Acad.Sci.U.R.S.S., 123:1117-20  
 Preoptiko-gipofizarnaia neurosekreto-  
 naia sistema u osetrovyykh  
 (The preoptic-hypophysial neuro-  
 secretory system in Acipenseridae)

Annotation to follow.

FAO:

MF

Dobrzhanskaia, M.A. & 59-4407  
 T.I. Pshenina (1958)  
C.R.Acad.Sci.U.R.S.S., 123:895-7  
 Nekotorye dannye o sodержanii i  
 raspredelenii zheleza v Chernom more  
 (Some data on the content and  
 distribution of iron in the Black Sea)

Annotation to follow.

FAO:

M

Milokhin, A.A. (1958) 59-4410  
C.R.Acad.Sci.U.R.S.S., 123:1131-2  
 O sinapticheskikh svyaziakh v  
 kischechnoi nervnoi sisteme  
 kruglorotykh (On the synaptic  
 connection in the enteric nervous  
 system of Cyclostomata)

Annotation to follow.

FAO:

M



Boyd, W.L. (1959) 59-4411  
Ecology, 40(1):49-54  
Limnology of selected Arctic lakes in  
relation to water supply problems

Account of changes in bacterial &  
chemical composition during various  
periods of the year when the lakes  
are frozen up or ice-free.

FAO:glk

F

Knudsen, J.W. (1959) 59-4414  
Ecology, 40(1):113-5  
Shell formation and growth of the  
California xanthid crabs

Shell formation of Cycloxanthops  
novemdentatus was tabulated for a  
period of seventeen days & the  
differential hardening of the shell  
was studied in relation to the  
attacks of enemies & the availability  
of protection. The origin of shell  
salts & the frequency of moulting  
were also studied.

FAO:glk

M

Goreau, T.F. (1959) 59-4412  
Ecology, 40(1):67-90  
The ecology of Jamaican coral reefs -  
I. Species composition and zonation

List of the Scleractinia; detailed zonal  
analysis of a large reef near Ocho Rios,  
Jamaica, with notes on zonation in  
other reefs & discussion of the  
distribution of shallow-water  
Scleractinia & of growth & zonation.

FAO:glk

M

Maturo, F.J.S., Jr. (1959) 59-4415  
Ecology, 40(1):116-27  
Seasonal distribution and settling  
rates of estuarine Bryozoa

Test surface studies made with the  
objective of examining seasonal &  
spacial distribution of the Bryozoa,  
their reproductive periods & settling  
rates, & the association of these  
characteristics with environmental  
factors.

FAO:glk

M

Allen, G.H. (1959) 59-4413  
Ecology, 40(1):108-13  
Behaviour of chinook and silver salmon

Artificial runs of silver salmon,  
Oncorhynchus kisutch, & chinook salmon,  
O. tshawytscha, were established at the  
Washington School of Fisheries & the  
facilities there permit the study of the  
physical conditions of the environment  
associated with the appearance of the  
fish in the ponds.

FAO:glk

MF

Wood, R.D. (1959) 59-4416  
Ecology, 40(1):152  
A naturally occurring visible  
thermocline

Report of the observation & of light  
measurements made.

FAO:glk

M

Hubbs, C. (1959) 59-4417  
Ecology, 40(1):154-5  
High incidence of vertebral  
deformities in two natural populations  
of fishes inhabiting warm springs  
  
Observations of specimens of Gambusia  
affinis from Texas & Mexico.

FAO:glk

F

Odum, H.T. (1959) 59-4420  
Ecology, 40(1):167  
A marine ecology book with the factor,  
life history, and habitat approach  
  
Review of 59-2032.

FAO:

M

Roppel, A.Y. & 59-4418  
C.R. Weaver (1959)  
Ecology, 40(1):158  
A device for separating salmon fry of  
unequal size  
  
Description of the device.

FAO:glk

M

Urbani, E. (1957) 59-4421  
R.C.Ist. lombardo, 92B:69-179  
Studi di embriologia e zoologia  
chimica degli anfi. (Studies of  
the embryology and zoological  
chemistry of the amphibians). En  
  
Experiments & literature review, incl.  
reference to aquatic larval stages.

FiB:sjh

F

McClary, A. (1959) 59-4419  
Ecology, 40(1):158-62  
The effect of temperature on growth and  
reproduction in Craspedacusta sowerbii  
  
Observations on colony growth, budding,  
bud size & location in relation to  
temperature.

FAO:glk

M

Ranzi, S. & 59-4422  
P. Citterio (1957)  
R.C.Ist.lombardo, 92B:213-9  
Lo sviluppo embrionale e larvale dei  
ricci di mare studiato con metodo  
immunologico (Embrionic and larval  
development of sea-urchins, studied  
by the immunological method). En  
  
Appearance & disappearance of antigens  
in Arbacia lixula L.

FiB:sjh

M

Marchetti, R. (1958) 59-4423  
R.C.Ist.lombardo, 92B:291-300  
 Varianti morfologiche in due diverse  
 popolazioni di Eupomotis gibbosus Lin.  
 (Morphological variation in two  
 distinct populations of Eupomotis  
gibbosus Lin.)

Study of intestinal caeca, vertebrae  
 & scales of zoo specimen from various  
 parts of Italy.

FiB:sjh

F

Taneri, B. (1959) 59-4426  
Balık Balıkçılık, 7(5):20-3  
 İnsanlar için tehlikeli olan balıklar  
 - Kısım II. (Dangerous fishes -  
 Part II.)

Popular notes on fishes that  
 attack mass.

SJH:efa

MF

Bocchi, G.D. & 59-4424  
 D. Mainardi(1958)  
R.C.Ist.lombardo, 92B:379-83  
 Le affinità di Cyprinus carpio con  
 alcune specie di ciprinidi studiate col  
 metodo immunologico (Affinity of  
Cyprinus carpio with other species of  
 cyprinids, studied by immunological  
 method). En

Study of antigens common or otherwise  
 to this sp. & to Carassius auratus,  
Tinca tinca, Alburnus alburnella &  
Chondrostoma genei.

FiB:sjh

F

Anonymous (1959) 59-4427  
Balık Balıkçılık, 7(5):28-30  
 Balık hastalıkları (Fish  
 diseases)

Popular notes on skin parasites &  
 infections, diseases of the gills &  
 diseases caused by sporozoans.

SJH:efa

F

Artüz, I. (1959) 59-4425  
Balık Balıkçılık, 7(5):9-14  
 Türkiye sularında orkinozlar ve  
 avcılığı - Kısım II. (Tuna in  
 Turkish sea-waters and its catch -  
 Part II.)

Summarizes investigations on the  
 biology of Thunnus thynnus; with notes  
 on seasonal occurrence, sexual maturity,  
 length & weight frequencies. Incl.  
 notes on principle of electric stock  
 & hook & line fishing.

SJH:efa

M

Howard, G.K. & 59-4428  
 H.C. Scott (1959)  
Science, 129:717-8  
 Predaceous feeding in two common  
 gooseneck barnacles

Observations on the feeding of  
Lepas anatifera & Mitella polymerus,  
 with particular reference to the size  
 of the prey.

FAO:glk

M



Viosca, P., Jr. (1959) 59-4429  
Louisiana Conserv., 11(2):2-4  
Shrimp comeback

Analysis of catches of white, Penaeus setiferus, & brown, P. aztecus, shrimps of Louisiana on the light of the new shrimp conservation law.

FAO:hr

M

Steers, J.A. (1959) 59-4432  
Endeavour, 18:75-82  
Salt marshes

Finely colour-illustrated account of changes in land structure & vegetation as they occur on the coasts of Britain & America & in mangrove swamps.

GLK:glk

M

Gunston, D. (1959) 59-4430  
Louisiana Conserv., 11(2):19, 24  
Fish migration

Popular account.

FAO:wad

MF

Fraser, F.C. & 59-4433  
P.E. Purves (1959)  
Endeavour, 18:93-8  
Hearing in whales

Description of the anatomy of the ear of the fin whale & of an apparatus for demonstrating changes in the amplitude of dorsal oscillations of the malleus when actuated by a simulated tympanic ligament vibrating longitudinally at various frequencies & angles of attachment.

GLK:glk

M

Burkhardt, D. (1959) 59-4431  
Science, 129:392-3  
Effect of temperature on isolated stretch-receptor organ of the crayfish

Abdominal stretch-receptor organs of Astacus leptodactylus were investigated by means of extra- & intracellular leads. The effects of changing temperature on steady-state rate of activity were studied.

FAO glk

MF

Idler, D.R. & 59-4434  
W.A. Clemens (1959)  
New Westminster, B.C., Canada, 80 p.  
The energy expenditures of Fraser river sockeye salmon during the spawning migration to Chilko and Stuart lakes

Describes the 1st of a series of such investigations of Fraser river Oncorhynchus nerka based on the results of the 1956 run & incl. some comparisons with certain data for the 1957 Stuart lake run & some for O. nerka on the Amur river.

HR:wad

MF

Evans, W.A. (1957) 59-4435  
Adm.Rep.Inl.Fish.Calif., (57-30):12 p.  
The 1956 fisheries studies at lake  
Pillsbury, Lake County

Describes a study on a northern  
California reservoir - based on tagging,  
marking & creel census - to determine  
the relative returns to the angler from  
wild & planted Salmo gairdneri & the  
influence of the planting area on catch.

WAD:wad

F

Hinze, J.A. (1959) 59-4438  
Adm.Rep.Inl.Fish.Calif., (59-2):19 p.  
Annual report Nimbus salmon and  
steelhead hatchery fiscal year of  
1956-57

Describes program at this hatchery for  
Oncorhynchus tshawytscha & Salmo  
gairdneri on the American River,  
California: number fish trapped &  
spawned, progress of eggs & fish,  
disease history; etc. Gives figures on  
water quality & temperatures.

WAD:wad

MF

McCormick, R.B. (1958) 59-4436  
Adm.Rep.Inl.Fish.Calif., (58-25):12 p.  
Observations on the sport fishery for  
salmon in tidewater of the Klamath  
river, 1954

Describes the methods & results of  
summer sampling for Oncorhynchus in this  
California river where marked O.  
tshawytscha had been planted.

WAD:wad

MF

Millis, R. & 59-4439  
J. Kanaly (1958)  
Fish.tech.Rep.Wyo., (8):53 p.  
A study of the survival of hatchery  
reared trout in the Big Laramie river,  
Albany county, Wyoming

Describes a 5-year study - marking,  
creel census, population inventory,  
etc. - to determine the success of  
stocking Salmo gairdneri & S. trutta  
of various sizes in the spring & fall.  
Describes a system of evaluating  
results using unit-cost estimates.

WAD:wad

F

Stroschein, V.K. & 59-4437  
W. Frazier (1959)  
Adm.Rep.Inl.Fish.Calif., (59-1):10 p.  
Report on 1958 trout feeding  
experiments, Mt. Shasta hatchery

Describes experiments to compare growth,  
mortality, food conversion & production  
costs for Salmo gairdneri fingerlings  
raised on dry feeds (Rangen's; Stockton's  
"Rainbrook") with fish raised on a diet  
of liver & ocean fish.

WAD:wad

F

Niemuth, W., W. Churchill 59-4440  
& T. Wirth (1959)  
Publ.Wis.Conserv.Dep., (227):14 p.  
The walleye life history, ecology  
and management

With specific reference to Wisconsin,  
reviews the classification,  
distribution, description, habits &  
habitat, reproduction, growth,  
population dynamics, ecology, fishing,  
harvest, economic value & management  
of Stizostedion vitreum vitreum.

WAD:wad

F

Serene, R. & 59-4441  
Pham Thanh Dat (1957)  
Contr.Inst.océanogr., Nha trang, (27):  
27 p.  
Note sur Tetralia nigrifrons Dana 1852  
(Notes on Tetralia nigrifrons Dana 1852)

A detailed morphological study of T. nigrifrons indicates its differences from T. glaberrima with which it is usually listed as synonym. The author is not sure, however, if his defined T. nigrifrons is the same sp. of Dana (1852).

FAO:hr

M

Sarwar, M.M. (1958) 59-4444  
Agric.Pakist., 9(1):39-51  
Ecology and distribution of Limnaea auricularia rufescens, a proven intermediary of Fasciola gigantica, in the Punjab region of Pakistan

Reports on the ecology of different types of areas suitable or not for the propagation of the snail & on some of its biological requirements.

FAO:hr

F

Santos Pinto, J. dos & 59-4442  
I. Ferreira Barraca (1958)  
Notas Estud.Inst.Biol.marit., (19):58 p.  
Aspects biologiques et biométriques de la sardine, (Sardina pilchardus Walb.) des environs de Lisbonne, pendant les années 1952-1957 (Biological and biometric aspects of the sardine, Sardina pilchardus Walb., of the neighbourhood of Lisbon during 1952-57)

An investigation of general characteristics of the sp. of Leixões, Lisbon & Portimão encompassing studies of morphometric & meristic features,

Qureshi, M.R. (1958) 59-4445  
Agric.Pakist., 9(1):52-75  
A field-key to the identification of fishes - 4. Order Scopeliformes, sub-order Siluroidei and order Beloniformes

Contains keys for families, genera & spp., & description of spp. of the families Synodontidae, Tachysuridae, Plotosidae, Belonidae, Hemirhamphidae & Exocoetidae with notes on distribution & local names.

FAO:hr

MF

59-4442  
(Card 2)  
age, growth, feeding, maturation, hermaphroditism, & parasites.



GLK:hr

M

Dyk, V. (1958) 59-4446  
Biológia, 13:906-10  
Modifikace zbarvení pstruhů obecných v Novém Strbském Plese (Pigment modification of brown trouts in Nové Strbské Pleso). Ru De

Describes characteristic changes of body color caused by environmental factors.

FAO:dr

F



Mann, H. & 59-4447

E. Stehr (1958)

Fischwirt, 8:333-40

Der Einfluss der Verölung auf den  
Sauerstoffgehalt eines Gewässers  
(The influence of oil pollution of the  
oxygen content of waters)

Describes experiments, carried out in  
Hamburg, on the O<sub>2</sub> content of waters  
polluted by oil.

FAO:dr

Anonymous (1959)  
Science, 129:550-7  
News of science

59-4450

Notice of a report of a committee of  
the US National Academy of Sciences  
& National Research Council  
advocating considerable expansion of  
US oceanographic research.

FAO:glk

M

Jens, G. (1958) 59-4448

Fischwirt, 8:341-3

Hektar oder Kilometer? (Hectar or  
kilometer?)

Critical review of units of measure  
for natural fish production in flowing  
waters.

FAO:dr

I

Bayer, M. & 59-4451

Meyer-Arendt, J. (1959)

Science, 129:644

Redox absorption spectra for single  
pigment cells of squid

Single pigment cells from the squid  
Loligo forbesi have been studied by  
micro-spectrophotometry & the changes  
in absorption spectra with reduction  
& oxidation have been considered.

FAO:glk

M

Wunder, W. (1958) 59-4449

Fischwirt, 8:348-50

Zur Erforschung und Bekämpfung der  
Bauchwassersucht (Investigation  
on and control of dropsy)

Continuation of 584845.

FAO:

I

Elegido, M. (1958) 59-4452

Madrid, 123 p.

La pesca fluvial en Galicia -  
Apreciaciones estadísticas (River  
fisheries in Galicia - Statistical  
appraisal)

A statistical & socio-economic  
appraisal by provinces.

GLK:hr

F

Bradley, D.E. (1959) 59-4453  
Nature, Lond., 183:941-3  
Electron-microscopic study of finback  
whale myoglobin crystals

Description of methods & results of  
study of myoglobin crystals in  
Balaenoptera physalus.

GLK:hr

II

Yamaguti, S. (1958) 59-4456  
Interscience Publ., Inc., New York,  
980 p.  
Systema helminthum

Compilation of diagnoses of 102  
families, 355 sub-families & 1,024  
genera of digenetic trematodes in 2  
parts, with a full bibliographic  
list & ill. Diagnostic data presented  
in part I under headings of definitive  
hosts, fishes, amphibians, reptiles,  
birds & mammals; in part II taxonomic  
scheme is set out as alphabetic list  
of families, sub-families & genera.

:efa

MF

Catala-Stucki, R. (1959) 59-4454  
Nature, Lond., 183:949  
Fluorescence effects from corals  
irradiated with ultra-violet rays

Describes results of some experiments  
in aquaria in New Caledonia, & suggests  
use of fluorescence as new approach to  
systematic study.

GLK:wad

II

Dawes, B. (1959) 59-4457  
Nature, Lond., 183:957-8  
Classification of the digenetic  
trematodes

A review of 59-4456.

GLK:efa

MF

van Someren, V.D. & 59-4455  
P.J.P. Whitehead (1959)  
Nature, Lond., 183:950, 971  
Records of young eels in Kenya rivers

Describes all records for Anguilla  
nebulosa labiata & A. mossambica.

GLK:wad

MF

Conant, R. (1958) 59-4458  
Houghton Mifflin Co., Boston Mass.,  
366 p.

A field guide to reptiles and  
amphibians of the United States and  
Canada east of the 100th meridian

Contents as per title.

:efa

F

Grandison, A.G.C. (1959) 59-4459  
Nature, Lond., 183:958  
Harmonious herpetology  
A review of 59-4458.

GLK:efa

Chu, K.Y. (1957) 59-4462  
Rep.Inst.Fish.Biol., Taiwan, 1(2):  
14-23  
A list of fishes from Pescadore  
islands. Ni  
List of spp. giving length of  
specimens & some anatomical notes on  
some spp.

FAO:glk

M

Sundnes, G. (1959) 59-4460  
Nature, Lond., 183:986-7  
Gas secretion in coregonids  
Describes observations & experiments on  
Coregonus acronius & Gadus callarias  
indicating that the problem of  
secretion is common for physostome &  
physoclist fish & that the lack of  
a counter-current system in the  
vascularization of the swim-bladder does  
not exclude oxygen secretion.

GLK:wad

MF

Fah-Hsuen, L. & 59-4463  
S. Shih-Chieh (1957)  
Rep.Inst.Fish.Biol., Taiwan, 1(2):  
24-32  
A preliminary report on the activity  
of Wen-fishes (herring-like fishes)  
along the coast of Taiwan. Ni  
List of spp. of fishes to which this  
general term is applied, tabulation  
of catch 1936 & 1949-56. Fishing  
grounds & methods. Tabulation of age  
composition of samples of various  
spp. from certain localities in 1955,  
1956 & 1957.

FAO:glk

M

Gakkell', Ia.Ia. (1957) 59-4461  
Bull.All-Un.geogr.Soc., 89:181-92  
Leningrad i osvoenie Severnogo morskogo  
puti (Leningrad and northern sea  
route)

FAO:

II

Fah-Hsuen, L. & 59-4464  
C. Gin-Chen (1957)  
Rep.Inst.Fish.Biol., Taiwan, 1(2):  
33-8  
A third report on the study of the  
black croaker (Argyrosomus nibe J. &  
T.) of the northern trawling ground of  
Taiwan. Ni  
Length frequency distribution, age  
composition, total catch, & catch per  
haul.

FAO:glk

M



Anonymous (1959) 59-4465  
New Scient., 5:617-8  
Natural gas line under the sea

Report of equipping of CALYPSO with  
Decca navigator for sea bed survey in  
connection with proposal for under sea  
natural gas pipe-line across the  
Mediterranean.

FAO:sjh

M

Anonymous (1959) 59-4468  
New Scient., 5:647  
Drifting stations' results

Note on water depths & sea mount  
observed in February 1959 by Russian  
station NORTH POLE 6 in the Arctic  
ocean.

FAO:sjh

M

Anonymous (1959) 59-4466  
New Scient., 5:619  
The fish that time forgot

Commentary on recent publication by  
Centre National de la Recherche  
Scientifique de France of first of a  
series of monographs on living  
coelacanth.

FAO:sjh

M

Bertram, G.C.L. (1959) 59-4469  
New Scient., 5:653  
Shipping weakness in ice-infested  
seas

A letter pleading for contribution  
of ice-breakers for polar exploration.

FAO:sjh

M

Anonymous (1959) 59-4467  
New Scient., 5:647  
Design for a river

Summary of paper presented by Dixon,  
Chief Engineer, Trent River Board, to  
March 1959 meeting of Institution of  
civil engineers, extending river regime  
theory of G. Lacey & C.C. Inglis to  
give formulae describing a stable  
English river.

FAO:sjh

F

Mišík, V. (1958) 59-4470  
Biológia, 13:810-32  
K výskytu a biometrike pľža horského  
balkánskeho (Cobitis aurata (Filippi  
1865) balcanica Karaman 1922 natio  
montana (?) Vladykov 1925) z rieky  
Kysuce (On the occurrence and  
biometry of Cobitis aurata Filippi  
1865, balcanica Karaman 1922, natio  
montana (?) Vladykov 1925 from the  
river Kysuca). Ru De

Reports results of biometrical &  
ecological investigations for  
taxonomic revision of this sp. in  
middle Europe & Balkans.  
FAO:efa

Tambs-Lyche, H. (1958) 59-4471  
Publ.biol.Sta., Espegrend, (22):24 p.  
Zoogeographical and faunistic studies  
on West Norwegian marine animals

Notes on the occurrence & distribution  
of Lophelia pertusa, Amphelia ramea,  
Anthelia borealis, Octophialucium  
funerarium, Strongylocentrotus pallidus,  
Amphiura griegi, Vanbenedenia kroeyeri,  
Upogebia deltaura, U. stellata &  
Palinurus elephas. The zoogeographical  
distribution of the spp. is discussed  
in the light of the new records &  
observations.

GLK:htl

M

Smith, R.I. (1958) 59-4474  
System.Zool., 7:60-73  
On reproductive pattern as a specific  
characteristic among nereid  
polychaetes

Discusses specific morphological &  
reproductive characteristics of Nereis  
limnicola, N. japonica, N. diversi-  
color, Platynereis dumerilii, P.  
massiliensis, P. megalops &  
Micronereis.

HR:hr

MF

German, E.R. (1958) 59-4472  
Adm.Rep.Intl.Fish.Calif., (58-18):29 p.  
A review of some of the literature  
dealing with the oxygen requirements of  
freshwater fishes

Abstr. of 47 papers, with brief  
account & an appendix carrying  
correspondence on the question.

WAD:glk

F

Kirkegaard, J.B. (1958) 59-4475  
System.Zool., 7:95-6  
The distribution of the Pogonophora

A note on the possible wider  
distribution of spp. of Pogonophora  
as hitherto known based on records of  
new spp.

HR:hr

M

Marathe, V.B. & 59-4473  
D.V. Bal (1958)  
J.Univ.Bombay, 26(5):39-51  
A brief comparative account of the  
axial skeleton of six polynemids from  
Bombay waters

Ill. skeletal anatomy of & key to,  
Eleutheronema tetradactylum, Polynemus  
indicus, P. plebejus, P. heptadactylus,  
P. sextarius & P. sextarius var.  
mullani.

FiB:sjh

M

Chace, F.A. (1959) 59-4476  
Rés.sci.Exped.océanogr.belge 1948-49,  
3(5):3-54  
Porcellanid crabs

Contains identification keys for  
genera & spp. of Porcellanidae,  
diagnosis of spp., & notes on their  
ecology & distribution.

FiB:hr

M

Capart, A. (1959) 59-4477  
Rés.sci.Exped.océanogr.belge 1948-49,  
 3(5):55-126  
 Copépodes parasites (Parasit  
 copepods)

A systematic catalogue containing  
 description & diagnosis of spp. of the  
 families Ergasilidae, Dichelesteidae,  
 Caligidae, Chondracanthidae, Lernaeidae,  
 Sphyrriidae, Lernaeopodidae, &  
 Argulidae, & lists of the spp. of  
 parasites & their host fishes.

FiB:hr

M

Cavaliere, A. (1957) 59-4480  
Boll.Pesca Piscic.Idrobiol., 12(1):71-91  
 Omologazione delle voci locali-  
 dialettali coi nomi italiani e  
 scientifici di pesci, crostacei,  
 molluschi, ecc., che si pescano nello  
 stretto di Messina e zone viciniori, e  
 che interessano, in massima parte,  
 l'alimentazione (Homologation of  
 local, vernacular & scientific names of  
 fishes, crustaceans, molluscs, etc.,  
 found in the Strait of Messina &  
 nearby, & which are of commercial  
 interest). En Fr

Tabulation of common name of each sp.  
 FAO:glk MF

Sommani, E. (1957) 59-4478  
Boll.Pesca Piscic.Idrobiol., 12(1):5-22  
 Prime osservazioni sulla biologia della  
 sardina (Sardina pilchardus Walb.) del  
 Tirreno e considerazioni relative alla  
 pesca (First observations on the  
 biology of the sardine, Sardina  
pilchardus Walb., in the Tyrrhenian sea  
 and considerations regarding fisheries).  
 En Fr  
 Discussion of evidence on vertebral  
 numbers in relation to temperature,  
 sex ratio, reproductive cycle & spawning  
 period, length composition, &  
 differences in distribution of various  
 groups.  
 FAO:glk M

Sommani, E. (1957) 59-4481  
Boll.Pesca Piscic.Idrobiol., 12(1):92-9  
 Caratteristiche eco-etologiche della  
 trota iridea (Salmo gairdnerii Rich.)  
 in relazione ai ripopolamenti dei corsi  
 d'acqua montani (Echo-ethological  
 characteristics of rainbow trout in  
 relation to the repopulation of  
 mountain streams). En Fr  
 Examination of relations between  
 rainbow & brown trout.

FAO:glk

F

Cannicci, G. (1957) 59-4479  
Boll.Pesca Piscic.Idrobiol., 12(1):23-69  
 Osservazioni sulla distribuzione dei  
 cladoceri del genere Daphnia in laghi  
 dell'Italia peninsulare - Nota I  
 (Observations on the distribution of  
 cladocera genus Daphnia in lakes of the  
 Italian peninsula). En Fr

Bio-geographic, ecological & systematic  
 observations & biometric data.

FAO:glk

F

Brian, L. (1957) 59-4482  
Boll.Pesca Piscic.Idrobiol., 12(1):  
 100-7  
 Osservazioni eco-etologiche sull'alobio  
 costiero dell'isola di Rodi  
 (Echo-ethological observations on the  
 sea around Rhodes island). En Fr  
 Observations on various spp., but  
 especially crustacea.

FAO:glk

M



Zocchi, R. (1957) 59-4483  
Boll. Pesca Piscic. Idrobiol., 12(1).  
 108-15  
 Insetti dannosi in piscicoltura  
 (Harmful insects to fishculture).  
 En Fr

Notes on the morphology & biology of  
 some spp. of ichthyophagous habit, &  
 on methods of control.

FAO:glk

F

Gierloff-Emden, H.G. (1958) 59-4486  
Dtsch. hydrogr. Z., 11:240-6  
 Der Küstenschelf von El Salvador im  
 Zusammenhang mit der Morphologie und  
 Geologie des Festlandes (The sub-  
 marine shelf of El Salvador and its  
 relation to morphological and  
 geological phenomena on the South  
 American continent). En Fr

Geo-morphological description of  
 the strand plain shelf, shelf margin  
 & the Guatemala Trench.

FAO:tl

M

Matsakis, J. (1957) 59-4484  
C.R. Acad. Sci., Paris, 244:1082-4  
 Etude par l'analyse factorielle des  
 dimensions du corps des mâles; des  
 femelles et des indifférenciés d'une  
 population d'Idotea viridis, isopode  
 valvifère (Study, by factorial  
 analysis, of the body dimensions of  
 male, female and undifferentiated  
 individuals of a population of Idotea  
viridis, a valve bearing isopod)

Summary of conclusions relating  
 development & to variations of body form  
 during growth.

FAO:glk

MF

Krauss, W. (1958) 59-4487  
Dtsch. hydrogr. Z., 11:246-55  
 Interne Wellen grosser Amplitude - III.  
 Kritik der Theorien und der  
 Beobachtungen (Internal waves -  
 III. Critique of theories and  
 observations). En Fr

A critical examination of the theory  
 & of the determination of internal  
 waves.

FAO:wk

M

Georgi, J. (1958) 59-4485  
Dtsch. hydrogr. Z., 11:225-39  
 Edward Sabine, ein grosser Geophysiker  
 des 19. Jahrhunderts (Edward Sabine,  
 a great geophysicist of the nineteenth  
 century). En Fr

Review of the scientific work of  
 E. Sabine, incl. notes on oceanographic  
 investigations in the beginning of  
 19th century.

FAO:tl

M

Staley, R.C. (1958) 59-4488  
Dtsch. hydrogr. Z., 11:255-8  
 Some problems in modelling water waves  
 for the study of back-scattering of  
 microwave radio energy. Fr De

Existing information on back-scattering  
 of centimeter radio energy by ocean  
 waves is examined with the thought  
 that back-scattering might be  
 modelled using small water waves &  
 millimeter radio waves.

FAO:rcs

M

<p>Stewart, R.E. &amp; J.H. Manning (1958)  <u>Auk</u>, 75:203-12  Distribution and ecology of whistling swans in the Chesapeake bay region</p> <p>A report of investigations of <u>Olor columbianus</u> which involved aerial surveys, field studies of environmental relationships &amp; laboratory analyses of food in gullets &amp; stomachs; contains information on distribution &amp; populations, habitat, food habits.</p> <p>FAO:hr MF</p>	<p>Seidel, K. (1958)  <u>Gewässer u. Abwässer</u>, (21):47-57  Der Rhein in Holland (The Rhine in Netherland)</p> <p>Description of the pollution, land reclamation &amp; flooding problems in the Rhine area in Netherland.</p> <p>FAO:tl F</p>
<p>Lenz, F. (1958)  <u>Gewässer u. Abwässer</u>, (21):7-14  Die IVL von 1948-1957 (The International Association for Limnology from 1948-1957)</p> <p>Review of the past activities &amp; congresses.</p> <p>FAO:tl F</p>	<p>Wunder, W. (1958)  <u>Gewässer u. Abwässer</u>, (21):58-67  Beobachtungen über die Düngerwirkung mit Kalk und Phosphorsäure in Heide- und Moorteichen Niedersachsens (Observations on the influence of fertilization with lime and phosphoric acid on the heath- and swamp-ponds of Niedersachsen)</p> <p>The importance of lime &amp; phosphorus on the productivity of the ponds &amp; their bottom &amp; instruction for the treatment of ponds with lime.</p> <p>FAO:tl F</p>
<p>Schmidt-Ries, H. (1958)  <u>Gewässer u. Abwässer</u>, (21):15-46  Der Rhein in Deutschland und sein Wert für die limnologische Forschung (The Rhine in Germany and its value for the limnological research)</p> <p>General limnological description of Rhine &amp; account of the scientific &amp; applied problems requiring an answer, especially in respect of pollution.</p> <p>FAO:tl F</p>	<p>Schräder, T. (1958)  <u>Gewässer u. Abwässer</u>, (21):68-87  Thermische Verhältnisse in Talsperren (Thermal conditions in the artificial lakes in the vallies)</p> <p>Description of vertical distribution of temperature in several deep artificial lakes during several seasons.</p> <p>FAO:tl F</p>

Poulsen, E.M. (1959) 59-4495  
ICNAF Serial No. 602  
Survey of research programs by subareas  
in the convention area 1959

List of vessels operating; analysis,  
with chart, of hydrographic, biological  
& other surveys planned.

FiB:sjh

M

U.K. Ministry of Agriculture 59-4498  
Fisheries & Food (1958)  
Lab.Leafl., Lowestoft, (21):3 p.  
The plaice transplantation  
experiment - What it is about!

Explanation of a new programme of mass  
transplantation of Pleuronectes  
platessa from N. Sea nursery grounds  
to the Dogger bank.

SJH:sjh

M

Maroc. Service Central 59-4496  
des Statistiques (1959)  
Rabat, 36 p.  
Bulletin mensuel de statistique no. 16  
(Monthly bulletin of statistics)

Incl. monthly table on fish landings,  
by areas, for the period November 1957 -  
June 1958.

FAO:sjh

M

SASCO (1959) 59-4499  
New Delhi, 13 p.  
Bulletin no. 5

Incl. note on meeting of marine  
scientists arranged by UNESCO & the  
Viet Namese Government in Saigon, to  
discuss proposed exploration & resear  
research in the Indo-Pacific between  
Taiwan, Sumatra & the north coast  
of Australia, & arrangements for a  
training course in Viet Nam in 1959.  
Also projects for international meeting  
planned by UNESCO & Indian Council for  
Agricultural Research on Algology, in  
New Delhi, Dec. 1959.

GLK:sjh

M

U.K. Ministry of Agriculture 59-4497  
Fisheries & Food (1958)  
Lab.Leafl., Lowestoft, (20):5 p.  
Plankton, currents, winds and the Bear  
island cod stocks

A review of recent information  
concerning relation of Gadus callarias  
spawning to currents, of year class  
size to plankton abundance & distribution  
& attempts at prediction of fish  
abundance. Results of tagging  
experiments.

SJH:sjh

M

Schwartz, T.J. & 59-4500  
J. Norvell (1958)  
Ohio J.Sci., 58:311-6  
Food, growth and sexual dimorphism of  
the reidside dace Clinostomus elongatus  
(Kirtland) in Linesville Creek,  
Crawford county, Pennsylvania

Qualitative & quantitative data for  
stomach contents of 234 specimens  
sampled in 1955; morphometry; scale  
studies; sex determination from  
pectoral fin lengths & genital  
papillae.

FAO:sjh

F



Abe, T. (1957)	4273	Berner, L. (1958)	3472
Abesser, R. (1958)	3485	Berrit, G.R. (1957)	3592 3593
Abrikosova, M.A. (1957)	3393	Berry, L. (1959)	4388
Abrosimov, A.T. & al. (1958)	3460	Bertelsen, E. (1957)	3565
Adal, M.N. (1958)	3489	Bertelsen, E. & K.P. Madsen (1957)	3638
Agarwal, S.C. (1958)	3774	Bertram, G.C.L. (1959)	4469
Ahrner, V. & al. (1958)	4049	Berzin, A.A. (1959)	3730
Allen, G.H. (1959)	4413	Bhimachar, D.S. (1958)	4009
Andersen, K.P. (1957)	3552	Biriuzova, V.I. (1958)	4406
Anderson, J.M. & J.C. Johann (1958)	4033	Black, R.E., S. Epstein & A. Tyler (1958)	3782
Andreev, A.K. (1958)	3745	Blaxter, J.H.S. (1958)	4168
Aoe, H. (1958)	4134 4349	Bocchi, G.D. & D. Mainardi (1958)	4424
Aoto, T. (1958)	4291	Böhlke, J.E. (1958)	4021 4026
Armstrong, P.B. (1958)	3808	Bogorov, V.G. (1959)	3727
Arnold, E.L., Jr. (1958)	4270	Bohl, H.J. (1957)	3566
Artüz, I. (1959)	4425	Bol, A.C.A. (1959)	4010
Atlantic States Marine Fisheries Commission (1959)	3721	Borgese, T.A. (1958)	3843
Auclair, W. (1958)	3823 3852	Bose, K.C. (1959)	4018
Auclair, W. & D. Marsland (1958)	4034	Bostrom, O. (1957)	3705
Azbelev, V.V. & I.I. Lagunov (1958)	3737	Bourcart, J. (1959)	4062
B.T. (1957)	4090	Boyd, W.L. (1959)	4411
Bagge, O. (1957)	3564 3568	Braarud, T. (1958)	4071
Bagge, O. & E. Bertelsen (1957)	3565	Braarud, T. & B. Føyn (1958)	4073
Baker, K.F. (1958)	4371	Braarud, T., K.R. Gaarder & O. Nordli (1958)	4396
Bakkala, R.G. (1958)	4375	Braarud, T., J. Markali & E. Nordli (1958)	4072
Bal, D.V. (1958)	4473	Bradley, D.E. (1959)	4453
Balan, V. (1959)	3905	Brandes, C.H., A. Kotthaus & G. Krefft (1957)	3543
Balay, M.A. (1958)	4366	Breivik, K. (1958)	4070
Balchin, W.G.V. (1958)	4369	Brett, W.J. (1958)	3826 3827
Băleanu, N. (1958)	3366	Brian, L. (1957)	4482
Bang, F.B. (1958)	3821	Briggs, R. (1957)	3425
Bang, F.B. & S.M. Krassner (1958)	3824	Briggs, R., G.V. Dyke & G. Knowles (1959)	3883
Banner, A.H. (1959)	3901	Brock, L.G. (1958)	3802
Barannikova, I.A. (1958)	4409	Brockway, D.R. (1959)	3746
Barrett, M.J. (1959)	3887	Bromhall, J.D. (1958)	3488
Bary, B.M. (1959)	3763	Brown, C.J.D. (1959)	3914
Battle, H.I. (1959)	3894	Brown, F.A., Jr. (1958)	3789
Bayer, M. & J. Meyer-Arendt (1959)	4451	Brown, F.A., Jr., W.J. Brett & H.M. Webb (1958)	3826
Beckman, W.C. (1959)	3912	Brown, F.A., Jr., H.M. Webb & W.J. Brett (1958)	3827
Beliaeva, V.N. (1959)	4392	Brown, M.L. (1958)	3457
Bennett, E.B. (1959)	3720	Brown, P.E. (1959)	4155 4156
Bennett, M.V.L. & al. (1958)	3806	Brown, T.M. (1959)	3503
Bennett, M.V.L., R.D. Keynes & H. Grundfest (1958)	3803	Brownell, K.A. & F.A. Hartman (1958)	3829
Beretzki, P. & al. (1958)	4385	Bryant, S.H. (1958)	3804
Bergman, G. (1958)	4089	Bückmann, A. & al. (1957)	3560
Bernard, P. (1959)	3920		
Bernatowicz, A.J. (1958)	3825		

Bukin, V.N. (1957)	3384	Clemens, H.P. & K.E. Sneed (1959)	3752
Bunescu, A. (1958)	3370	Clemens, W.A. (1959)	4434
Burbanck, M.P. (1958)	3830	Clement, H. (1958)	4032
Burbanck, W.D. & M.P. Burbanck (1958)	3830	Cléret, J.-J. (1959)	4232
Burkhardt, D. (1959)	4431	Clynick, P.R. (1958)	3458
Burns, R.B. (1957)	3548	Cohen, A.I. (1957)	3412
Bușniță, Th. (1958)	3364	Cohen, D.H. (1959)	4065
Buss, K. (1959)	3751	Cohen, J. (1958)	3855
Butler, T.H. (1957)	4181	Cohen, S.I. (1958)	3831
Butler, T.H. (1959)	3916	Cole, H.A. (1957)	3651 3654
Cagle, J. (1958)	3819	Collier, J.R. (1958)	3833
Caldwell, D.K. (1957)	4005	Colwin, A.L. (1958)	3835
Caldwell, P.C. (1957)	4306	Colwin, A.L. & L.H. Colwin (1958)	3795 3834
Călinescu, R. & A. Bunescu (1958)	3370	Colwin, L.H. (1958)	3795 3834
Calver, R.F. (1957)	3636	Colwin, L.H. & A.L. Colwin (1958)	3835
Cameron, T.W.M. (1959)	3893	Conant, R. (1958)	4458
Canada. Department of Fisheries (1958)	4036	Correia da Costa, F. (1957)	3648
Cannicci, G. (1957)	4479	Costello, D.P. (1957)	3677
Capart, A. (1959)	4477	Costello, D.P. (1958)	3836
Cascarano, J. (1958)	3849	Coupé, R. & Cl. Maurin (1957)	3595
Catala-Stucki, R. (1959)	4454	Coutourier, A. (1959)	3373
Cavaliere, A. (1957)	4480	Craddock, D.R. (1959)	3760
Chace, F.A. (1959)	4476	Craig, L.C. (1958)	3817
Chaet, A.B. & S.I. Cohen (1958)	3831	Craig, R.E. (1957)	3547
Chakraborty, R.D. (1958)	4000	Craig, R.E. & D.J. Slimm (1957)	3546
Chappelear, J.E. (1959)	3775	Crane, R.K. (1958)	3850
Charpy, B. (1958)	3508	Crane, R.K. & al. (1958)	3837
Chase, A.M. (1959)	3726	Crawford, R.W. (1958)	4030
Chau, Y.K. (1958)	3484	Crisp, D.J. (1959)	4387
Chau, Y.K. & R. Abesser (1958)	3405	Cristea, A. & N. Băleanu (1958)	3366
Chesterman, W.D., P.R. Clynick & A.H. Stride (1958)	3558	Cromwell, T. & E.B. Bennett (1959)	3720
Chimits, P. (1958)	3506	Cubillos, R.M. (1958)	3501
Chipman, W.A., T.R. Rice & T.J. Price (1958)	4395	Dabagian, N.V. (1959)	4300
Chiu, B.T. (1958)	3492	Dalal, N.M. (1957)	3523
Chiugunova, N.I. (1957)	3383	Dat, P.T. (1957)	4441
Chow, T. (1958)	3482 3483	Davenport, D. (1958)	3792
Chu, C.Y. (1958)	3487	Davenport, D. & K.S. Norris (1958)	4035
Chu, K.Y. (1957)	4462	David, A. (1957)	3519
Chu, W.T.C. (1958)	3470	Dawes, B. (1959)	4457
Chu, Y.T. (1958)	4361	De Buen, F. (1958)	3496
Churchill, W. (1959)	4440	Dehadrai, P.V. (1957)	3522
Citterio, P. (1957)	4422	de Lachadenède, P. (1958)	3507
Claff, C.L., F.N. Sudak & V. Moloney (1958)	3832	de la Tourrasse, G. (1957)	3594
Clarke, R.B. & D.J. McCallion (1959)	3892	Delpierre, J. (1958)	3888
		Demeusy, N. (1959)	4383

Dent, J.N. & W.G. Lynn (1958)	4036
des Pallières, G.M. (1958)	3889
de Villafranca, G.W., T.S. Scheinblum & D.E. Philpott (1958)	3798
Devold, F. (1957)	3623 3629
DeWitt, J.W. (1957)	3664
Dickson, W. (1958)	4166
Dietrich, G. (1957)	3534 3550 3551 3553 3577
Dobrzanskaia, M.A. & T.I. Pshenina (1958)	4407
Dodge, E. (1958)	3785
Dodgson, K.S. (1957)	3693
Dodgson, K.S. & A.G. Lloyd (1957)	3692
Doi, T. (1958)	4330
Donn, W.L. (1959)	3774
Doolittle, R.F. & al. (1958)	3809
Dragesund, O. (1957)	3630
Drilhon, A. & J.-M. Fine (1959)	3924
Dubnau, D. (1958)	3838
Dunstan, D.J. (1959)	3910
du Plessis, C.G. (1958)	3775
Dutrieu, J. (1959)	4234
Dyk, V. (1958)	4446
Dyke, G.V. (1957)	3425
Dyke, G.V. (1959)	3883
Eales, N.B. (1957)	3422
Ecaterina, P., V. Ziemiankowski & A. Rotaru (1958)	3368
Eccles, R.M. & L.G. Brock (1958)	3802
Edwards, R.L. (1958)	3401
Egerod, L.E. (1957)	4313
Eggvin, J. (1957)	3627
Eglite, R.M. (1958)	3736
Einarsson, H. (1957)	3626 3627
Elegido, M. (1958)	4452
Ellis, R. (1959)	3755
Elwertowski, J. (1957)	3646
Emiliani, C. (1957)	3668
Epstein, S. (1958)	3782
Ericson, D.B. (1959)	3725
Eschmeyer, P.H. (1959)	3748
Etcheverry, H.D. (1958)	3502
Evans, W.A. (1957)	4435
Ewing, M., B.C. Heezen & D.B. Ericson (1959)	3725
Fabricius, E. & K.-J. Gustafson (1959)	4378

Fänge, R. & J.B. Wittenberg (1958)	3783
Fagerlund, U.H.M. (1957)	4164 4175
Fagerlund, U.H.M. & D.R. Idler (1957)	4184
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Phillips, A.M., Jr. & D.R. Brockway (1959)	3746
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Sano, Y. & K. Hashimoto (1958)	4342
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Squire, J.L., Jr. (1959)	3934	Tanaka, T. (1958)	4122
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Stephens, G.C. & J.P. Green (1958)	3869	Templeman, W. (1957)	4183
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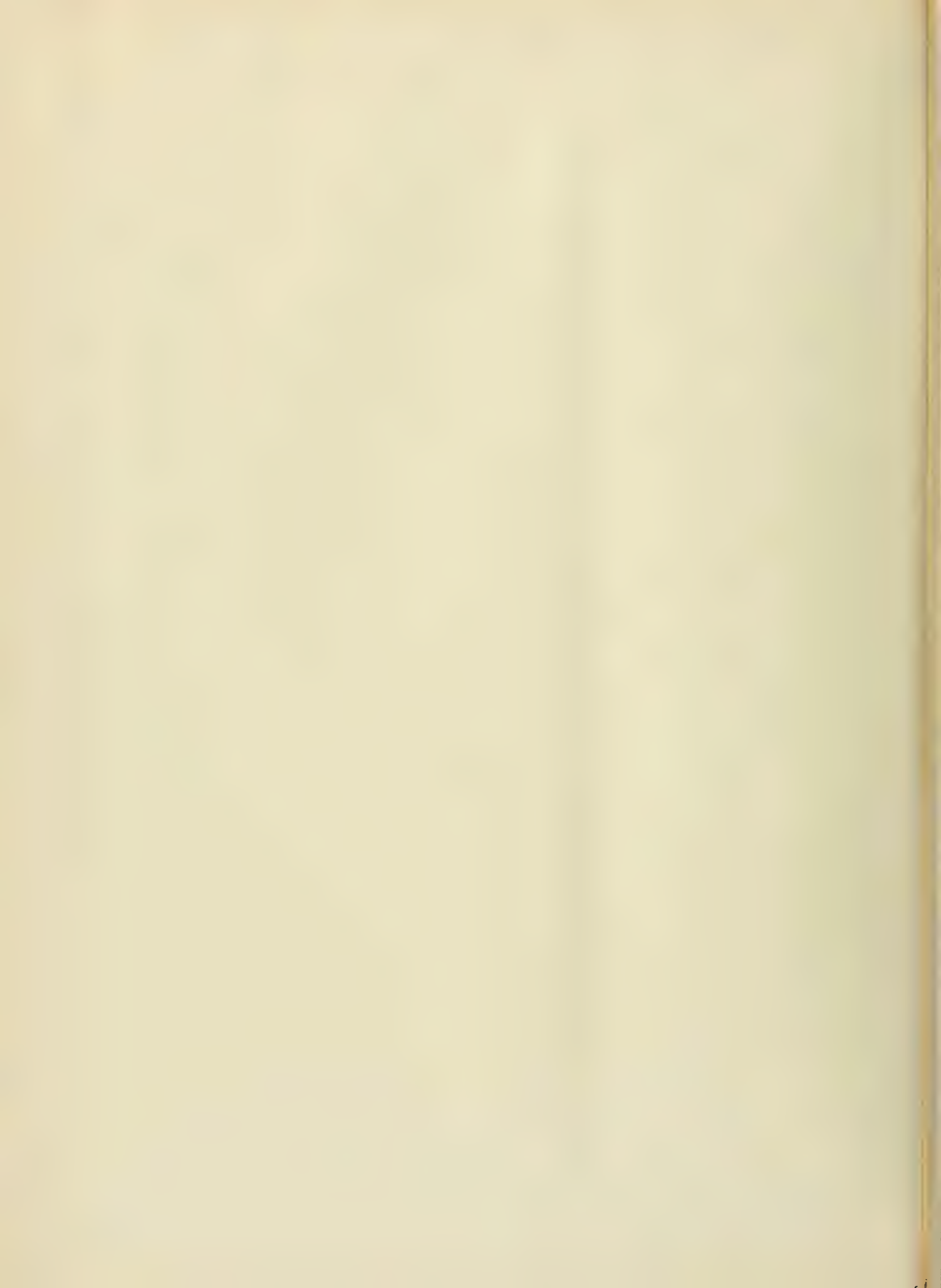
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